

19990607.qrp v01_n481.qrl.990607

Date: Mon, 7 Jun 1999 19:03:51 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1481

QRP-L Digest 1481

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- 1) [42152] Wanted: QRP Wattmeter
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- 2) [42153] Possibly QRP - TS-487/U - Need Info.
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- 3) [42154] Re: contesting in QRP
by N7YA@aol.com
- 4) [42155] 3686 - Thanks for info
by "Rich Dailey, KA8OKH" <ka8okh@som-uky.campuscw.net>
- 5) [42156] Re: contesting in QRP
by Larry Cahoon <wd3p@juno.com>
- 6) [42157] Cutis Keyer Chip
by "Glenn & Erin Maclean" <maclean@ix.netcom.com>
- 7) [42158] SWR Bridges, power & "non-inductive" resistors
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by Jeff Grudin <grudin@pacific.vdbs.com>
- 11) [42162] Cute and Cuddly CW
by "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
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by David Kritzberg <dkritz@mindspring.com>
- 13) [42164] Calling K6QQ
by camqrp@cyberg8t.com (Cam Hartford)
- 14) [42165] portable operation...broke my NC20 (long)...
by Mighty Mik <mitymik@hooked.net>
- 15) [42166] SEAPAC QRP Forum
by "Bill Todd" <bill@willapabay.org>
- 16) [42167] CQ Review of SG2020
by Thomas Kuehl <ac7a@uswest.net>
- 17) [42168] Re: Cute and Cuddly CW
by mwattcpa@earthlink.net (Marty Watt)
- 18) [42169] CANADIAN QRP SPRING BOUQUET ---- RESULTS---- RESULTS
by Earl Murphy <earlmurf@telusplanet.net>
- 19) [42170] Re: CQ Review of SG2020

- by PUNISHER3@aol.com
- 20) [42171] Kitting Kits
by "Dave Fifield" <fifield@pacbell.net>
- 21) [42172] Re: THE SPARTAN SPRINT IS ON MONDAY!
by "KA5T Larry Wise" <lewise@inetport.com>
- 22) [42173] TenTec Values
by billrobb@net-link.net
- 23) [42174] FS: TS-430s, AT-250
by Tom Bowman <tbowman@nbn.net>
- 24) [42175] CANADIAN QRP SPRING BOUQUET ---- RESULTS---- RESULTS
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 25) [42176] Re: Cute and Cuddly CW
by Scott Howell <showell@hq.nasa.gov>
- 26) [42177] Re: Cute and Cuddly CW
by Scott Howell <showell@hq.nasa.gov>
- 27) [42178] Trade for QRP Equipment
by "Francis Callahan" <colcal@srv.net>
- 28) [42179] Couple of questions for the group...
by wd8civ@att.net
- 29) [42180] Re: QRP-L Command
by Mark Sailer <msailer@msailer.rhic.bnl.gov>
- 30) [42181] Bench Power Supply
by Paul Kaczmarek <catmandu@freewwwweb.com>
- 31) [42182] Ten Tec PS switching
by kreinbd@ccgate.dl.nec.com (David Kreinberg)
- 32) [42183] Is this heaven? You bet it's QRP (LONG)
by "John Burnley" <burnley-ia@worldnet.att.net>
- 33) [42184] G4WIF & G3MFJ in NYC; REGEN REDUX
by S LYON <sslyon@worldnet.att.net>
- 34) [42185] FIRST (?) Capacitor kit
by Karl.Kanalz@optelinc.com
- 35) [42186] Re: Wiring speakers
by Karl.Kanalz@optelinc.com
- 36) [42187] 10-turn pots sold out!
by Jerry McCollom W0MC <w0mc@hotmail.com>
- 37) [42188] 20 MTRS
by bkobie@webtv.net (patrick obrien)
- 38) [42189] Norcal 40 to other bands!!?
by John Evans - N0HJ <jaevans@codenet.net>
- 39) [42190] Re: Capacitor kit
by "Rick Tavan" <tavan@tibco.com>
- 40) [42191] FW: KNet 6/6/99
by Randy Hargenrader <randyh@harksystems.com>
- 41) [42192] regen receiver
by lane cox <lanecox@hotmail.com>
- 42) [42193] T2FD Modeling Note
by "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
- 43) [42194] Re: Wiring speakers

- by Randy Randall <RANDALLR@Healthall.com>
- 44) [42195] Final HamCom Preregistration List
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
- 45) [42196] Re: Wiring speakers
by Karl.Kanalz@optelinc.com
- 46) [42197] Cap kit, and Heathkit
by "Nathan Gordon" <nathang@bigfoot.com>
- 47) [42198] NOT--NOW: T2FD Note
by "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
- 48) [42199]
by Kyle Lusk <klusk@bhm vending.com>
- 49) [42200] Mod #2 to Ft. Smith VE3DNL Marker Generator kit
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
- 50) [42201] Re: NOT--NOW: T2FD Note
by Bruce Kizerian <kizerian@ced.utah.edu>
- 51) [42202] Cuddly CW!
by Allan G Taylor <k7gt@qsl.net>
- 52) [42203] Re: Tuna Tin II
by "Ed Hare, W1RFI" <w1rfi@arrl.net>
- 53) [42204] Re: Is this heaven? You bet it's QRP (LONG)
by "Brad Bradfield, PE" <b_bradfield@yahoo.com>
- 54) [42205] re: Norcal 40 to other bands!!?
by Wayne Burdick <n6kr@elecraft.com>
- 55) [42206] TAC N4BP
by Bob Patten <n4bp@bc.seflin.org>
- 56) [42207] test, sorry, please ignore
by "Robert M. Ganter" <hb9dnn@gmx.net>
- 57) [42208] TAC de N3XRV
by Chris Cartwright Sr <ccart@phideaux.com>
- 58) [42209] VE3DNL Marker/Generator:FSQC
by Jay Bromley <w5jay@alltel.net>
- 59) [42210] Re: Cute and Cuddly CW
by DENNISMO@aol.com
- 60) [42211] Re: [GQRP] Wot no messages?
by dave.g0dja@psilink.co.uk (Dave Ackrill)
- 61) [42212] vfo torrid
by Kyle Lusk <klusk@bhm vending.com>
- 62) [42213] Re: Bench Power Supply
by Paul Kaczmarek <catmandu@freewwwweb.com>
- 63) [42214] Re: regen receiver
by Goran Hosinsky <hosinsky@jet.es>
- 64) [42215] ElmeRadio (Regen)
by Bruce Kizerian <kizerian@ced.utah.edu>
- 65) [42216] Re: regen receiver
by "Mike Silva" <mjsilva@jps.net>
- 66) [42217] AW: "Super" Sierra
by "Peter Zenker" <Peter_DL2FI@csi.com>
- 67) [42218] Anouncement for German list members

- by "Peter Zenker" <Peter_DL2FI@csi.com>
- 68) [42219] AW: sierra tuning
by "Peter Zenker" <Peter_DL2FI@csi.com>
- 69) [42220] Re: Bench Power Supply
by wd8civ@att.net
- 70) [42221] FS: Ten Tec Argosy 2
by "Scott" <k2zs@rochester.rr.com>
- 71) [42222] Re: Final HamCom Preregistration List
by "KA5T Larry Wise" <lewise@inetport.com>
- 72) [42223] Re: regen receiver -Reply
by "Bob Reynolds" <breynold@SIGG.COM>
- 73) [42224] Free: Kenwood SMC-25 speaker-mike
by Allan G Taylor <k7gt@qsl.net>
- 74) [42225] Radio store in Toronto?
by wd8civ@att.net
- 75) [42226] Antenna question
by "Kory Hamzeh" <kory@avatar.com>
- 76) [42227] Ref: Regen RX as TX
by George F Franklin <w0av@juno.com>
- 77) [42228] Pics of Kent Paddles
by "Chuck Adams K5F0" <adams@ticnet.com>
- 78) [42229] Elmer205 Part1 [long]
by "Chuck Adams K5F0" <adams@ticnet.com>
- 79) [42230] Re: Final HamCom Preregistration List
by "Richard Brummer" <obvious@bestweb.net>
- 80) [42231] Kenwood SMC-25 has a new home
by Allan G Taylor <k7gt@qsl.net>
- 81) [42232] Re: QRP For Swap
by Terry Bendell <terryb@bmts.com>
- 82) [42233] custom NC20 cases...new batch?
by Mighty Mik <mitymik@hooked.net>

Date: Sun, 06 Jun 1999 19:23:57 -0400
From: "K.Edwards" <kedwards@mindspring.com>
To: qrp-1@Lehigh.EDU
Subject: [42152] Wanted: QRP Wattmeter
Message-ID: <375B030D.CEB6AC30@mindspring.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Looking for a decent QRP wattmeter - anyone have one they'd be willing to sell?
Please send a direct email with info...

Tnx...

--Ken WA4SQM

Date: Sun, 6 Jun 1999 19:29:52 EDT
From: SMurph555@aol.com
To: qrp-l@lehigh.edu
Subject: [42153] Possibly QRP - TS-487/U - Need Info.
Message-ID: <6c9801db.248c5e70@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi all,

A TS-487/U Test Set forced me into taking it home from the Manassas hamfest today. It may be a QRP dummy load and power meter. It includes a voltmeter of QRP range (3, 10 and 50 v pk-to-pk), has a SO-239 female socket and the termination may be set to 51, 75 or 470 (!) ohms. It operates from 115 VAC.

Anyone know what jumped into my hand - of it's own volition, of course <grin>?

72/73

Cal K4JSI

Date: Sun, 6 Jun 1999 19:38:56 EDT
From: N7YA@aol.com
To: qrp-l@lehigh.edu
Subject: [42154] Re: contesting in QRP
Message-ID: <b341d74b.248c6090@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

In a message dated 6/2/99 12:40:40 PM Pacific Daylight Time, mike@gold.chem.hawaii.edu writes:

<< Can someone give me some pointers on QRP operating techniques for big contests? I know you are unlikely to be able to "hold a frequency" before some big foot squashes you like a bug and takes your frequency with his 10Kw Italian amp. What should one look for in an approach to making a serious score in and amongst the thunder stations, the band commanders and all those stations that like to answer your CQ and then say "TU QRZ TEST" ? >>

Hi Mike and all the low power testers out there, i am a puny little joe in the big contests...but you dont need a KW, just patience and contest skill.

What i do is wait til the thing starts, then pounce on all the big monster stations that i can, getting them out of the way. theres no way a qrper is going to hold a freq below .065 on any band for long, its all hunt and pounce and the quarry will be plenty. the big guns hear you when you mean points for some reason...so give them, and you, some points. then go hunting outside the fringe, way up high...and if you want to call CQ, thats where you do it, up around .065 and higher. trust me, they will find you. just dont tell the RTTY/Digital guys i sent you there. :-)

As a qrper, nothing is safe about any frequency you choose to call on....but if you are a qrper, you have nothing to lose. call CQ inbetween hunting and pouncing.

Finally, it is not likely that you will blast his ears off when you call, so try calling a station, if no response, move the dial a little bit each time you are unsuccessful to change the pitch...you will be faint, but a certain tone may get through all the qrm on frequency more than just calling in the mud zeroed in with a much louder station on his Rx.

also, sometimes (not always, but worth a shot), DX stations will respond to a station who signs QRP/Call. to them, it explains why you are so weak...it may be a pity thing for these KW warriors, hihi.

Dont forget, the key to success is the attitude...as long as you never really accept that you are 5 watt station, instead believing you are running 1400 watts to a 15 element beam at 200'...it will give you a cockiness that a winning tester has. that system has worked wonders for me, and is the only thing keeping me from having a downright dismal score.

So dont expect a score that will give HC8N a run for thier money...but with a few contests under your belt, you will start to see improved scores. and the most important tactic of all to remember....have fun!!

73...Adam, N7YA

Date: Mon, 07 Jun 1999 00:38:45 -0400
From: "Rich Dailey, KA8OKH" <ka8okh@som-uky.campuscw.net>
To: qrp-l@lehigh.edu
Subject: [42155] 3686 - Thanks for info
Message-ID: <3.0.16.19990606115051.2faf24ee@som-uky.campuscw.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Thanks for the answers to my 3686 kc question!

...Rich

Rich Dailey, KA8OKH <ka8okh@som-uky.campuscw.net>

"The deadly yellow snow from right there where the huskies go" - Zappa

Date: Mon, 7 Jun 1999 00:45:29 +0100
From: Larry Cahoon <wd3p@juno.com>
To: N7YA@aol.com, qrp-1@Lehigh.EDU
Subject: [42156] Re: contesting in QRP
Message-ID: <19990607.004529.4350.1.wd3p@juno.com>

>stations that i can, getting them out of the way. theres no way a
>qrp'er is
>going to hold a freq below .065 on any band for long, its all hunt and
>pounce
>and the quarry will be plenty. the big guns hear you when you mean
>points
>for some reason...so give them, and you, some points. then go hunting
>
>outside the fringe, way up high...and if you want to call CQ, thats
>where you
>do it, up around .065 and higher. trust me, they will find you. just

I just have to comment on this. In the CW Sweepstakes last year I sat in prime territory at 3535 for two evenings for two to three hours each time without even a hint of getting chased off the freq. I ended up with 500+ QSOs in the contest. All this with 5 Watts and a dipole. All those 100 Watt 599 stations can hear you just fine at 579 and those 599 KW stations can hear you at 559 or better. If they have a beam you can cut that a bit. But there are not too many guys out there with beams on 80 meters or on 40 meters for that matter. You will have more problems on the higher bands unless you have a beam like most of the big guns. This happens more in the DX contests where you need those higher bands to get the distance Just don't be intimidated by your own QRP signal. It is just not that much different then the rest of the crowd.

73 de Larry.....WD3P

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or call Juno at (800) 654-JUNO [654-5866]

Date: Sun, 6 Jun 1999 17:57:17 -0700
From: "Glenn & Erin Maclean" <maclean@ix.netcom.com>

To: <qrp-1@Lehigh.EDU>
Subject: [42157] Curtis Keyer Chip
Message-ID: <002101beb080\$b2000200\$bcf1d6ce@cessna.texttron.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I was going through my junk and found a Curtis B chip 8044B 16 pin. I would like to build a very simple keyer with speed control no memory with this chip that would be cheap (economical to be politically correct) to build. Does any one have a schematic and parts list for this project or would I be better off with a tick circuit and could you direct me that way as well?

E-mail me privately.

TNX in advance,

Glenn Maclean in Sacramento, CA WA7SPY
maclean@ix.netcom.com

Date: Sun, 6 Jun 1999 18:02:23 -0400
From: Nils R Young <nilsbull@juno.com>
To: QRP-L@lehigh.edu
Subject: [42158] SWR Bridges, power & "non-inductive" resistors
Message-ID: <19990606.182707.16662.2.nilsbull@juno.com>

Gang,

Some weeks ago I went over to Roger's (Midwest Surplus in Fairborn) and picked up some parts for an antenna tuner project. (Ever notice that I'm continually working on antenna tuner projects? Only stuff that I can still work with & get any sense of satisfaction . . . which is another story.)

Roger had some 49 Ohm 25W "non-inductive" resistors for a buck a whack. I bought a couple whacks' worth & came home with some other junk too. Among the detritus was the idea of building a SWR bridge like in the ZM-2 & other versions of the same circuit. It all seemed quite rational, since I was gonna use a meter instead of the LED & set the range with a front panel pot. At least that's the plan.

Lead up to question: I know, from experience at the Drake plant, that the size of the sampling toroid & the wire what's sewed around it is not seriously related to the power being poured through the pipes. But in the resistive bridge, I have a feeling that I otter use something a bit more husky than #28 or such gauge wire. Even with the other resistors in the

bridge & all that, there's gotta be some serious wattage going through the rest of the circuit.

Should I worry about that?

I know that there are "non-inductive" resistors and that there are non-inductive resistors. I've put the 49 Ohmers from Roger on the radio & found that, more or less, they are fairly flat across the spaces that I tested (160-10m, ham bands only). I'm gonna use the damn things, since I bought so many whacks of 'em. It will be an interesting exercise. That & seeing how much fun I can have with another antenna tuner project.

73

Nils

. . . not counting today, one more day before the theatre of the surgically absurd . . . which is another story.

Nils R. Bull Young :: La Estancia de los Guajolotes Sonrientes
WB8IJN &c :: The Tagalong Press :: email to nilsbull@juno.com
"In my day we had to FIGHT to have email! Every day was a struggle!"
-- Comrade Sergei Nikolaievich

McTovarishov

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or call Juno at (800) 654-JUNO [654-5866]

Date: Sun, 6 Jun 1999 21:47:43 -0400
From: "Larry Przyborowski" <lprzybski@erols.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [42159] Re: Capacitor kit
Message-ID: <010c01beb087\$bdc60f60\$daaeaccf@k3peg>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I received my capacitor kit yesterday afternoon.

Thanks to all who made this kit a reality. Now my "Rs" have "Cs" to "play" with.

A great job of packaging too- thanks for all the hard work.

72 de Larry, K3PEG -.-

Date: Sun, 6 Jun 1999 20:25:12 -0600 (MDT)
From: James P Rybak <jrybak@mesastate.edu>
To: qrp-l@lehigh.edu
Subject: [42160] Re: Capacitor kit
Message-ID: <Pine.OSF.4.10.9906062022330.18739-1000000@mesa7.mesa.colorado.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I, too, received my NorCal capacitor kit yesterday. As usual, they did an EXCELLENT job. Those NorCal guys are outstanding.

Jim Rybak W0KSD

Date: Sun, 06 Jun 1999 19:24:30 -0700
From: Jeff Grudin <grudin@pacific.vdbs.com>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [42161] The Steve Weber 20W Linear Amp Review. And Builder Alert
Message-ID: <375B2D5E.CFE3A065@vdbs.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Right Off ***THIS IS NOT QRP SO DELETE IF NOT INTERESTED***

I guess it would be a kind of QRP Linear ;-)

I was one of those that built Steve Weber's 20W Linear Amp Kit. I thought I would give you guys (and gals) my impression.

The kit consisted of a bag of most of the parts that you need to build the amp. The few parts that you need to add are the standard on/off switch, LED, connectors, a few bypass caps, some PC board material, a power diode, a fuse, a heat sink, and the TR relay.

The kit is built by scribing and then isolating traces on a piece of PC board. The parts are then placed and soldered either to the traces or to ground. Construction was relatively easy, but you need to be careful not to get solder bridges from the traces to ground.

Then the moment of truth. Connect the power and cross your fingers and ... no smoke. That's good so far. Measure the idle current it is supposed to be 20 mA. Mine was 40mA. Hmm... Oh yeah I added the LED.

I decided to first try it out with my 49er. Connected it up and 250mW in, 4W out. There was a nice clean signal on the scope. It seemed to be working and still no smoke. The heat sink was cold.

Connected the NC40A and with 2.5W in 19.6W out (on a gel cell at 12.2V). Signal still looks good on the scope. I called Eric, WA6HHQ, on the local repeater and got an on the air report. Sounded good on the air and had a noticeable gain.

Then on Saturday, I took it over to Eric's for a real workout. We connected up to the HP Spectrum Analyzer and you guessed it, a K2, noticed a strange 2nd Harmonic and third harmonic signal that wasn't there before and the amp wasn't turned on. ****BUILDER ALERT****Eric noticed that C8 was placed on the wrong side of R8 and the diode was conducting all the time causing clipping of the wave form and the harmonics. A quick move of the cap and the harmonics were gone.

Connected the amp to a Astron amp at 13.8V and driving it at 1 watt produced about 22W out, at 2W there was about 40W out. The signal was very clean with the 2nd harmonic down about 50dB and the 3rd through 10th down about 50dB. There were no spurs or other problems noticed. Even at 40W the heat sink was just beginning to get warm.

The TR Relay may not be the best for CW, but it certainly works fine. We were able to key it at 40WPM and not drop the first dit. We didn't try it any faster. The RC combination seemed to keep the relay closed just about right to keep it from chattering while keying. R9 could be changed to a trimmer for adjustable delay.

The project was lots of fun to build, and will be a useful project, It can be used with very low power rigs to get them to 5W at times when mW won't get through. If you are interested in building a project just from the parts without a circuit board. This might be the kit for you.

--

73 de AC6KW <mailto:grudin@vdbbs.com>
Jeff Grudin, DVM Web Add: <http://www.vdbbs.com/~grudin>
Ocean Animal Clinic / Cat Clinic of Santa Cruz - Santa Cruz, California
Norcal QRP #1292 QRP-L #16 ARS #351 AR Qrp #131

Date: Sun, 06 Jun 1999 23:01:47 -0400
From: "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
To: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>
Subject: [42162] Cute and Cuddly CW
Message-ID: <375B361B.C3F3F54D@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

True confessions time. I had little use for the code for the first fifteen or so years I was licensed. I learned it solely to get my higher licenses which gave me access to SSB DX so I could move toward my "Big Three" awards (WAC, WAS, DXCC). It was only in taking the step to 20 wpm for my Extra that I really fell in love with the mode and now use it almost exclusively (also I am QRP almost exclusively but that is more thanks to this list and the NJQRP Club) Well if I didn't like the code why did I go for the Extra? That came from a desire to be "the best" at something. Not unlike earning the Black Belt in many martial arts. I always saw the Extra Class as a goal worth attaining because it took that certain extra effort. So in my case, finding the "cute and cuddly" side of code came as a reward for "climbing the mountain" to reach the top. Given that a new license structure is inevitable, we really need to find new ways to get folks to access the code. I think that kit building is the best way to sneak it across as I think many comment have stated to this point. So those of you who are gifted in design, keep 'em coming.

--

+++++

T.J. "SKIP" AREY N2EI e-mail tjarey@home.com

Website <http://members.home.net/tjarey>

Snail Mail: PO Box 236, Beverly, NJ 08010

Specialization is for insects! LAZARUS LONG

Date: Mon, 07 Jun 1999 00:25:38 +0100
From: David Kritzberg <dkritz@mindspring.com>
To: QRP-L <qrp-1@Lehigh.EDU>
Subject: [42163] ZM-2 Owners
Message-ID: <375B0371.D21@mindspring.com>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hello,
If at all possible can someone me scan & send the schematics for the ZM-2
tuner. I would greatly appreciate it.
TNX de KF4UOD
Dave

Date: Sun, 6 Jun 1999 21:33:39 -0700 (PDT)
From: camqrp@cyberg8t.com (Cam Hartford)
To: qrp-1@lehigh.edu
Subject: [42164] Calling K6QQ
Message-ID: <199906070433.VAA20657@trex.cyberg8t.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

John -

I don't have your new e-mail address. Send me a note.

Thanks,

Cam N6GA

Date: Sun, 06 Jun 1999 21:32:42 -0700
From: Mighty Mik <mitymik@hooked.net>
To: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>
Subject: [42165] portable operation...broke my NC20 (long)...
Message-ID: <375B4BB8.C826E459@hooked.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; x-mac-type="54455854"; x-mac-creator="4D4F5353"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

ok...so i take the time and bother to take the NC20 out into the
field...only to have it develop a problem. Maybe the backpackers of the
group can suggest some tips for 'next time'...

I pulled the NC20, my inverted V and a 3 piece PVC mast i made out to the

desert...and set it up. (the mast, made from 1 1/4" sced 40 pipe worked FB) The NC was powered off the car battery. Day 1 i had Salmanilla...so no operating. Day 2 i had the rig on...and after a while it started chirping, occasionally chirping the freq. during the day it kept doing up...and in the afternoon i turned the VFO all the way down and found my minimum freq was .048 (vs. .000)...I figure ok, no biggie...wait till the sun goes down, and the rig cools. Still sore from food poisoning, i tried the rig later...still chirping...the min freq at .002 (I didn't TX...it was chirping so frequently i figured that it might not be a good idea.)

Day 3...no VFO action at all! I had wrapped the NC in a towel to insolate it, and put it in the tent. Push the AFA button, and i get .122 (MY VFO has a range of .000 to .194) I think i may have a bad FET in the VFO, and i'll start looking for the problem tomorrow...so my Q is...how do you other portable ops keep it all together?

--

@@
72/73 de Mick, WD8MNV/6 QRP-L #1673 QRP-C #118 ZOMBIE #441
NC20 SWL40+ ZM-2 DSP-3 rocket scientist and a 6 meter wanna be.
Aeropac #111 Tripoli #3071 Level 2

Date: Sun, 6 Jun 1999 21:50:29 -0700
From: "Bill Todd" <bill@willapabay.org>
To: <nwq-l@scn.org>
Cc: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [42166] SEAPAC QRP Forum
Message-ID: <006901beb0a1\$451ffca0\$83b5ded1@bill>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hello group(s) -

I had a great time listening to all the technical guru-types at the 2nd SEAPAC QRP Forum this past Saturday, in Seaside Oregon.

The room only allowed for 50 seats, but we managed to grab a few from an adjoining room. Even so, there were 4 or 5 people standing, so I guess we had about 60 people in all.

Some familiar faces, but a lot of new ones. One fellow even raised his hand when I asked the group if anyone in the room was "new" to QRP. From then on (perhaps it was my imagination) it seemed like the "newbee" got a lot of encouragement from just about everyone in the room. Nothing like trying to gently bring lost souls into the fold (ha ha).

Bruce, KG7CR started off the meeting off with a discussion of the older circuits used in QRP gear back in the 40's and 50's. He brought an old 1920's one tube transmitter that he obtained from an Old Timer to show the group. The thing really works!

Then, he pulled out his old Forest Service transceiver that was built in the early 60's. To use this little rig on AM, all you have to do is flip open the top of the carrying case, and "walaa", a carbon mic pops up. Pretty cool if you ask me.

Wes Hayward, W7ZOI was next, with a discussion of the "Chirpless" QRP transmitter that he has recently designed. I don't think that Wes is in the production business right now folks...but perhaps he would be willing to share some of the details about the rig if you send him an SASE. Anyway, it looks like Wes has developed the ultimate "clean" CW signal with this little rig.

Roger Steyart, K7VXR was next with a discussion about vertical antennas, showing the group how inefficient verticals really are (ha ha). With side by side EZNEC transparencies, Roger was able to demonstrate that you really are better off with a dipole over a vertical for just about all locations.

Russ Carpenter, AA7QU the founder of the Adventure Radio Society and active outdoorsman, not only spoke about the joys of getting out of your comfortable chair and into the hills, but demonstrated the importance of your physical surroundings when putting up an antenna for portable use. He used a mix of good technical advice, sprinkled with good humor to get his points across.

I wish to thank all the speakers to went out of their way to share their encouragement and advice with the QRP Forum. We'll have to do it again next year!

CUL, Bill - N7MFB
Pres. NW QRP Club
<http://www.willapabay.org/~bill>
ICQ @ 8926298

Date: Sun, 06 Jun 1999 09:54:06 -0700
From: Thomas Kuehl <ac7a@uswest.net>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [42167] CQ Review of SG2020
Message-ID: <375AA7AE.F00D7A58@uswest.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hello All:

I recently received my June copy of CQ and in the issue is a review by Dave Ingram of the SG2020 low power transceiver. Let me first say that I enjoy Dave's writing style; his columns are always upbeat (unlike W5YI) and he gives QRP special attention.

Dave's review of the '2020 was subjective and he used the column to give a pretty good overview of the radio's features, circuits, and operating characteristics. I was left with the impression that he really liked radio and was unable to find any faults. Only once was there a hint of an objectionable point and that had to do with T/R relay noise. He, once again, was very kind and made reference to "heartwarming sounds of a classic telegraph office in the shack."

Certainly, there are a number of satisfied '2020 customers out there - that is great. On the other hand there are people like myself, who found the radio to have some objectionable characteristics. Since I received a very early '2020, SGC may have since corrected some of the things I found to be a problem. If so, I apologize up front if I am to say something that is no longer pertinent.

I had the opportunity to lay hands on 3 different '2020's, and I found them all to behave similarly. First off, I would be one of the people mentioned in Dave's article that found the T/R noise to be "rather noticeable." In fact, I found it to be nearly intolerable. It was completely audible even with my headphones over my ears. Then there was the audio itself which I would term as having wide open bandwidth. It was very rich in hiss and that appeared to be coming straight from the audio output IC. After a short while I had to take the headphones off; I found the noise to be very fatiguing.

The receiver seemed pretty sensitive, but the signals seemed to lack punch. The QST review (Oct. '98) made some reference

to the receiver as being "raspy and noisy" and said you will hear a "lot of trash." I agree with them. Only after some fooling with the pass-band tuning and the switched-capacitor audio filter (SCAF) was I able to get what I would call an acceptable sounding CW signal.

Another issue I would take exception to is the front panel layout. I found trying to manipulate those little rubber buttons, while rotating the tuning knob to select the various features, really tough. My fingers were pretty well scrunched up on the panel, and I don't have particularly large hands. SGC supplied a decoder card for the many button/knob functions, but they just didn't seem intuitive to me. I found it difficult to readily set up the radio functions spontaneously.

Well, because I had performance problems with the two '2020's that I had received, SGC was good enough to take them back and reimburse my money. I give them an A+ for that.

When I look back at the CQ and QST reviews of the '2020, CQ was completely generous, and QST was not quite so generous. QST tried to stay upbeat, but did bring up the radio's shortcomings and peculiarities (especially with the RIT/XIT functions). They also presented their lab test results. If you have the October issue of QST and are considering purchasing an SG2020, I would definitely read their review. I have to go with QST on this one.

What this all boils down to is my opinion of the radio, and that of a notable reviewer. I did not like the radio, and it appears he did. Enough said.

Best regards to all. (I'll just be putting on my asbestos trousers now!)

Thomas - AC7A

Date: Mon, 07 Jun 1999 05:19:02 GMT
From: mwattcpa@earthlink.net (Marty Watt)
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [42168] Re: Cute and Cuddly CW

Message-ID: <375c5355.33506222@mail.earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: quoted-printable
Content-Transfer-Encoding: quoted-printable

On Sun, 06 Jun 1999 23:01:47 -0400, "T.J. \"SKIP\" Arey N2EI"
<tjarey@home.com> wrote:

>It was only in taking the step to 20 wpm
>for my Extra that I really fell in love with the mode and now use it
>almost exclusively

Skip raises an interesting point.

I too did not really begin to enjoy CW until I got comfortable at 15-18 =
wpm.
I truly believe that enjoyment escalates as speed increases!

--
72 es 73 de Marty, N5NW (x-KM7W, KN4BH, N4UYT)

-----=

Memphis, Tennessee =
<http://home.earthlink.net/~mwattcpa>
VE -- NorCal #2031 -- ARCI #7514 -- QRP-L #0953 -- AK/QRP #098 -- Grid =
EM55ce
CODE WARRIOR(c) #29 -- Mobile CW -- "Taking Code on the Road with a =
Vengeance"
Member -- Tennessee Contest Group

Date: Sun, 06 Jun 1999 23:04:22 -0500
From: Earl Murphy <earlmurf@telusplanet.net>
To: qrp-canada@lists.gpfn.sk.ca
Cc: rattray@gpfn.sk.ca, MCHERRY@calweb.com, qrp-1@lehigh.edu
Subject: [42169] CANADIAN QRP SPRING BOUQUET ----- RESULTS----- RESULTS
Message-ID: <375B44C6.788@telusplanet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Yes the moment of truth:

First I would like to THANK all those who participated in this event,

our first sponsored QRP-C fun event. THANK-YOU to the Canadian stations who volunteered as FLOWER STATIONS, and to Bruce(VE5QRP) who assisted me, you did an outstanding job. I hope all will consider joining the fun again next year.

OK, here are the results. The certificates will be sent in the next two to three weeks. Get those frames ready, Mary(WN6HYX) did just a super job on these, you're gonna love'em.

STATIONS WHO WORKED ALL (6) AVAILABLE PROVINCES (NICE BOUQUET!!)

AF4LQ, VE3FUL, VE5QRP, WN6HYX

STATIONS WHO WORKED (5) PROVINCES

K1QM

STATIONS WHO WORKED (4) PROVINCES

K5ZTY, KR0I, VE6EWM, VE6EY

STATIONS WHO WORKED (3) PROVINCES

K0EVZ, N1TP, N2ZHY, NA1XX, NV4V, VE1AHX, VE3FAL, VE5HQ, VE6YC, W7SSM

STATIONS WHO WORKED (2) PROVINCES

AB8DF, K6PZB, KB9LGJ, KG4ADU, KI0II, KU7X, N3YSI, N6PYW, N7DW, N7GS
N8GA, VE3XN, VE6CGO, VE6DV, VE6NJK, VE7CQK, W5TB, WB6RER, WD8MNV, WZ2T

STATIONS WHO WORKED (1) PROVINCE

AA2JI, AA8EB, AB6S0/M, AC4S, AC50C, AC6AN, AC6PL, AC7Q, AE4Y, AH6EZ/W9,
AK2A, K0BJ, K2JT, K4GZZ, K5FA, K6GJD, K6YYJ, K8CV, K9ZO, KA3WMJ, KB3WK,
KB4LGG, KB7WW, KB9I0T/M, KC1HX, KC1WD, KD3FG, KE4U0F, KE6DKH/5,
KF6PDF/M, KF8BD, KG6OK, KH6LEM, KI0ND, KI7QZ, KK6AW, N0GXM, N0SXX, N0TU,
N1JO, N4PDB, N5AMM, N5JI, N5ZN, N6WG, N6YY0/M, N8CQA, N9HBM, N9MDK,
NA3V, NC90, NW7DX, VA3JE, VA3JFF, VE1NS, VE2KN, VE3HYK, VE3PIG, VE5DC,
VE5PFL, VE6AAN, VE6CDU, VE6JWA, VE6KC, VE6QRP, VE7DU, VE7SL, VE7WY,
VE9GM, W03B, W0CQC, W0DC, W0DSA, W0RBS, W0RSP, W0RW, W0WAB, W1DJY,
W1EPZ, W1VT, W3FW, W4ED, W6JFM, W7AYY, W7IIM, W8DEP, WA0NKE/M, WA4LAV,
WA5WHN, WA6UMA, WA7FBO, WA7SPY, WA9UPL, WB0PCI, WB2AGT, WB6LRV, WD8PWG,
WG6N, WN9U, WQ7L, WV3B

That's all she wrote folks! (Now for a little trivia). Many stations worked several Flower Stations from the same Province which made for an

even nicer BOUQUET.

---263 TOTAL CONTACTS WERE MADE:
---19 CONTACTS INTO NOVA SCOTIA (VE1)
---25 CONTACTS INTO QUEBEC (VE2/VA2)
---49 CONTACTS INTO ONTARIO (VE3/VA3)
---60 CONTACTS INTO SASKATCHEWAN (VE5)
---86 CONTACTS INTO ALBERTA (VE6)
---24 CONTACTS INTO BRITISH COLUMBIA (VE7)

Maybe next season we can add a few more Provinces/Territories to the list. Guess that's the goal for the next Spring Bouquet.

Thank-you all for your participation, should you find any errors with the results, please let me know ASAP, I'll be glad to correct any discrepancies.

Have a nice summer...72...From WILD @}->--- Country...Earl(VE6EWM)

Date: Mon, 7 Jun 1999 01:34:38 EDT
From: PUNISHER3@aol.com
To: qrp-1@lehigh.edu
Subject: [42170] Re: CQ Review of SG2020
Message-ID: <3707feb4.248cb3ee@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Speaking of the 2020, i was just at Seapac, the hamfest down in Seaside, OR and was talking with the creator of the 2020, and the QRP+, i can't remember his name, but anyway, he was saying that he just finished another radio for SGC that now puts out 100watts and has the problems fixed. He said that they may call it the 2021. Hmm, well, i just wanted to throw this in if anyone was interested.

Also, those who spoke at the QRP forum, GREAT JOB! I especially liked the talk about operating from the top of steep cliffs!

73/72,
Ben - NW7DX

Date: Mon, 7 Jun 1999 00:16:36 -0700

From: "Dave Fifield" <fifield@pacbell.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [42171] Kitting Kits
Message-ID: <006701beb0b5\$ae6e83c0\$0db865d8@pacbell.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

My wife, Caroline (KF6MOV), and I have just spent all weekend packing up the first of the Red Hot Radio NorCal 20 kits to be shipped out the beginning of this week.

This is the first time I'd done any serious kitting like this - yes, I'd helped Doug

Hendricks do some of the final stage kitting for the NorCal Club NC20 kits, but boy, this weekend was MUCH HARDER than that. I just don't know how that guy does it so fast! We kitted 100 kits with about 30,000 parts in them this weekend - Doug has kitted over 100,000 parts for the capacitor kits in almost the same time!!! He is not of this earth, obviously.

We were on a roll starting Saturday morning - we were going so well that we decided to just keep on kitting into the night. We finally stopped when we realized it was getting light outside! It was 6am by the time we quit for the night (day?). So, of course, I was still snoozing instead of getting my bod over to the NorCal QRP Club meeting... I missed the whole thing, darn.

I'll be bringing as many kits as I can carry to Hamcom - see you there!

72, Dave Fifield, AD6A
<http://www.redhotradio.com>

Date: Mon, 07 Jun 1999 07:52:57 -0700
From: "KA5T Larry Wise" <lewise@inetport.com>
To: "qrp" <qrp-1@lehigh.edu>
Subject: [42172] Re: THE SPARTAN SPRINT IS ON MONDAY!
Message-ID: <199906070754.CAA29007@admin.inetport.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

On Sat, 05 Jun 1999 07:38:55 -0700, Russ Carpenter wrote:

>...
>
>2. The frequencies will be 3060+- kHz,
>...

This ought to create a little excitement and antenna tuner tweaking.... :-)

Larry KA5T

Date: Mon, 07 Jun 1999 07:21:13 -0400
From: billrobb@net-link.net
To: qrp-1@Lehigh.EDU
Subject: [42173] TenTec Values
Message-ID: <3.0.6.32.19990607072113.00aa9360@serv01.net-link.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I have the following very nice station I am thinking of selling. Can anyone help with current values??

PM-2B QRP Rig
AC-5 Tuner
AC-4 SWR Meter
S-30 Signalizer

Thanks

Bill

HEATHKIT COLLECTOR

WA8CDU formally WN8CDU

Date: Mon, 07 Jun 1999 07:39:33 -0400
From: Tom Bowman <tbowman@nbn.net>
To: qrp-1@lehigh.edu
Subject: [42174] FS: TS-430s, AT-250

Message-ID: <3.0.5.32.19990607073933.00843740@nbn.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I bought a TS-570 so I am selling the following equipment:

My TS-430s Kenwood transceiver was new when I bought it in 1981. The FM board is installed along with the 500 Hz CW filter, and 6 kHz AM filter. The rig is clean and works fine.
Price is \$375 and I pay the shipping....

I also have the AT-250 automatic antenna tuner to sell. This has the interconnecting cable so the tuner works automatically with my TS-430s. The tuner is designed for a coax feedline and tunes my G5RV on all bands. I paid \$225 a year ago but my new rig has a tuner so the AT-250 is no longer needed.
Price is \$175 and I'll pay the shipping.

I will sell the TS-430s and the AT-250 as a package for \$475, shipping included.

Thanks for reading this,

Tom, WA3REY

<>< Tom Bowman, WA3REY, Mount Gretna, PA 17064

tbowman@mt-gretna.com QRP-L #125

<http://www.mt-gretna.com>

Date: Mon, 7 Jun 1999 07:51:15 -0400
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: "INTERNET:earlmurf@telusplanet.net" <earlmurf@telusplanet.net>
Cc: "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>, QRP-L Discussion Group <QRP-L@Lehigh.edu>
Subject: [42175] CANADIAN QRP SPRING BOUQUET ---- RESULTS---- RESULTS
Message-ID: <199906070754_MC2-7864-745B@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain;
charset=us-ascii
Content-Disposition: inline
Content-Transfer-Encoding: 7bit

Earl:

Many thanks to you and all the others who made this possible. It was great fun and well worth the effort. I certainly do hope you will do it again.

GL es 72,

--Doc Lindsey/K0EVZ

DSBF

PO BOX 6028

Bismarck, ND 58506

70511.3041@compuserve.com

Date: Mon, 07 Jun 1999 08:07:39 -0400

From: Scott Howell <whowell@hq.nasa.gov>

To: smann@advi.net, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [42176] Re: Cute and Cuddly CW

Message-ID: <3.0.5.32.19990607080739.007e7aa0@mail.hq.nasa.gov>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

I have to agree completely with Steve. I never thought I'd ever want to learn cw and came into Ham radio as a tech and never planned to get the code down and hence hf priveledges. Well, after a break away from radio and my complete and total bordon of 2m repeaters, I decided to do the code thing. I really enjoy cw although I'm not as proficient with it yet as I'd like to be. I like it enough that after not having the opportunity to get on the air nor practice as much as I'd like, I kinda had withdraws.<g> However, being I still have a loose grip on the code at speeds above 15-17 wpm, I got on the air and it just came back...ok, once I woke up sufficently enough to answer this gents cq. Shame on me, should have let it pass, but got up enough strength to grab the paddedle. Wow, what a rough qso.<g> yes, trying to study the advanced material and just couldn't seem to stay focused so decided to rest my mind a minute. Bad idea. Well Sundays are like that sometimes.<g>

72 de Scott/n3byy

Laurel MD

Date: Mon, 07 Jun 1999 08:29:26 -0400

From: Scott Howell <whowell@hq.nasa.gov>

To: N7YA@aol.com, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [42177] Re: Cute and Cuddly CW

Message-ID: <3.0.5.32.19990607082926.0080bb30@mail.hq.nasa.gov>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I like this guy's way of thinking. Well ok, I ahven't played bass in some time now, but well being a former musician.
I'll take the blond myself<g>.

72 de Scott/n3byy

At 06:39 PM 06/06/1999 EDT, N7YA@aol.com wrote:

>
work...i
>probably wouldnt even get on the radio!! actually, i consider CW to be an
>old friend, a sound of familiarity. I am a proud pro-coder and enjoy using
>it for all of my operating...thats just my choice.
> I am also a key buff, and i probably WOULD curl up with a beautiful
antique
>bug or hand pump...theres just a beauty to it.

Date: Mon, 7 Jun 1999 06:34:51 -0700
From: "Francis Callahan" <colcal@srv.net>
To: <QRP-L@Lehigh.edu>
Subject: [42178] Trade for QRP Equipment
Message-ID: <199906071233.GAA17850@srv.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I guess I must have made a mistake in my last posting. I have a
hellicrafters S120 general coverage reciever with the BFO to trade for some
QRP equipment reply direct colcal@srv.net 72 Cal KF7ET

Date: Mon, 07 Jun 1999 13:07:37 +0000
From: wd8civ@att.net
To: qrp-l@lehigh.edu (QRP-L Mailing List)
Subject: [42179] Couple of questions for the group...
Message-ID: <19990607130756.QUOT3641@webmail.worldnet.att.net>

Folks,

I have a couple of questions - this seems like the best place to ask them.

1) I notice Dan's sells kits for the Centennial SSB transceiver by Paul Daulton. Can anybody tell me anything about it? (Like what magazine & issue it was published in?)

2) For the technical experts: I've read in several places that a diode balanced mixer needs on the order of +7dbm of LO injection. What happens if you use less? Or more?

Dave

Dave Hinerman WD8CIV

Date: Mon, 07 Jun 1999 09:19:22 -0400
From: Mark Sailer <msailer@msailer.rhic.bnl.gov>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [42180] Re: QRP-L Command
Message-ID: <375BC6DA.C358D16@msailer.rhic.bnl.gov>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Chuck Adams K5FO wrote:

> OK Gang,
>
> Here is a short summary of some useful commands.

How do I go about changing my Email address to where the QRP-L is sent to?
Do I need to unsubscribe and resubscribe?

TNX

Mark N2JTW

Date: Tue, 08 Jun 1999 09:35:54 -0400

From: Paul Kaczmarek <catmandu@freewwwweb.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [42181] Bench Power Supply
Message-ID: <375D1C3A.40EB@freewwwweb.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

It's time again to come to you with a question I have and I'm hoping that you will help out as you in the past.

I have decided that a high current variable voltage bench power supply would be a good addition to the shack. I already have several low current output (1.5A) variable power supplies but none that can handle some current (>10A.) My search for a good schematic to follow has led me to the 1996 ARRL Handbook pg. 11.37 "28V High Current Power Supply" and to an excellent follow-up article in QST Hints & Kinks July 98 submitted by Willian Sabin W0IYH which makes the original circuit much more robust wich is very desirable on a bench source.

My question is both of these designs which use a LM723 Regulator which drives several power transistors for increased current output are only marginally adjustable around the target voltage using a R8, R9, R10 voltage divider fed into pin 4 (the inverting input) of the 723. How can I design this to give a 2 - 37 volt variable output that the 723 is capable of, the 723 is only able to handle 150mA output current. I downloaded the National Semiconductor Spec sheet on the 723 from the Radio Shack webpage (many of the common sheets are there and its a good place to get them quick.) I know I need to keep the V+ to V- to 40v MAX but will replacing the voltage divider network with a pot to adjust 2-37 exceed the current cabibility of the inverting input.

So in conclusinon my questions are;

- 1) How do I use this design to get 2-37v out at >10A.
- 2) Does anybody have a working design that can be made with common parts (no dual range ganged pots) that will do what I need.
- 3) Any advice on making this a better project.
- 4) I would be glad to post the final design wherever desired.

I can't see paying \$200 and up for what can be built for ~\$50 or less depending on your scroungeing skills that would be a desirable addition to any repair bench.

Again thanks in advance,

Paul KB2TPA <>< U.S.M.C. Cheektowaga NY Sierra/TT Argosy
The value of advice is in its use.

Date: Mon, 7 Jun 1999 08:45:02 -0500
From: kreinbd@ccgate.dl.nec.com (David Kreinberg)
To: qrp-1@Lehigh.EDU
Subject: [42182] Ten Tec PS switching
Message-ID: <0014DACE.4159@ccgate.dl.nec.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
Content-Description: cc:Mail note part
Content-Transfer-Encoding: 7bit

Hello Folks,

Let me begin by saying that I am the proud owner of a newly acquired TT Omni D. After spending the weekend testing it and working scores of DX into Europe (QRP, too), I am quickly becoming a big TT fan. Yes, it is true what they say about Ten Tec rigs - they are a joy to operate.

Now the question: The DC power cable has two pins that are wired to an ON/OFF switch on the AF Gain pot. TT mentions that it is NOT recommended to wire this on/off switch to turn on the DC +/- supply to the rig. This is for two reasons:

1. The switch is not rated for high DC current (in QRO condx) and will mess up things.
2. A large voltage drop can occur across the switch contacts.

They recommend wiring the AC input to the PS via this switch, thus the AC to the supply is switched via this AF panel switch.

Anybody have a good, clean way of doing this? I'm using an Astron 20A supply, and I guess I'll have to cut into the AC power cord to do this. Of course, I'm sure TT sells supplies which handle this situation, but I'd rather use what I already have here.

Right now, as things are set up, when the Astron is switched on, the Omni powers up as if the ON/OFF switch is hardwired ON all the time. I am concerned that the surge of doing this will either wreck the rig or the PS, or both!

Thanks for the help. See some of you at HamCom.

73 de Dave, NR3E

QRP-L #25
nr Dallas, TX

Date: Mon, 7 Jun 1999 08:43:02 -0500
From: "John Burnley" <burnley-ia@worldnet.att.net>
To: <IaQRP-L@divis17.ped-gen.uiowa.edu>
Cc: <qrp-1@lehigh.edu>
Subject: [42183] Is this heaven? You bet it's QRP (LONG)
Message-ID: <19990607134715.JPYJ12644@burnley-ppp>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

The hamfest held in the Sioux City area this past weekend was a total blast! It was a great event and I look forward to it next year.

The Iowa QRP Club had two display tables and it was filled with QRP goodies. Mike KI0AF brought boxes of projects and it was showcase material. I'm doing this from memory so I know I'll forget some items. Mike brought his punch pad SSTs (made from using a sheet metal punch to make the small pads which are then glued to a printed circuit board; components are then soldered to the pads) for 40, 15, and 10 (yes he really does have one). His just completed 2N2/40 rig (of NorCal fame) was really impressive. The designer (Jim Kortge) did a fabulous job and Mike really did an FB job in building it! He also brought two of his regen receiver projects (works of art), OHR WM-2, OHR DDS-1, OHR 100A, LGD QRP autotuner, and a set of NorCal paddles. I know I've left something out and I apologize to Mike in advance.

Larry (WB0RMT) brought his homebuilt complete station consisting of a Dan's NWxx rig, Dan's tuner (parts kit), power supply, and NorCal paddles. It's an impressive station setup with all three projects in matching cases. Larry (like Mike) is an expert builder and really dazzles me each time I see one of his creations. He also brought his NC20 with mods (of course.....those of you who know Larry understand hi..remind me some day to tell you about the HW-8), a keyer (altoids tin), and his modified Pixie II.

Ade Weiss (W0RSP) brought his 'pride and joy' SST, an receiver kit and homebrew transmitter both mounted in the same altoids tin. He also brought a HW-8 that drew a lot of attention from all those who have built Heathkit projects. Ade was also a tremendous help at the display table answering questions and promoting the good word. He really knows how to sniff out the bargains at the flea market as well. Ade also did QRP presentations on Friday and Saturday. He did a great job (as usual).

Paul Sipes KB0JIT brought a 40 meter transceiver, Heath tuner, power supply, and two slinky antennas. He had these items on display up in the QRP room (we had the room all day for QRP!) where the presentations were held (and yes the slinky antennas were up stretched across the room). Paul also presented a kit building forum and did an FB job!

Jerry Huldeen (WB0T) brought his complete MFJ 9040 station (one that he used to win the QRP section for Iowa in one of the major contests...I'm sorry I can't remember which one). Jerry also split a presentation with me and he covered reading propagation charts. You did a great job Jerry!

Jim (KC0???....I really apologize for not writing your call down) brought a miniature homebrew set of paddles and single lever paddle (future newsletter articles). Those were a real treat and got a lot of compliments. Wait till you see these. Talk about portability!

I brought an NC20, 38 Special, MFJ 9017, KnightSmite, Pixie II, and a TenTec 6 meter receiving converter. I split a presentation with Jerry as well. It was my first and I must say I admire all you who get up in front of others and promote QRP. I was nervous and made plenty of mistakes (but hopefully covered well hi).

The Iowa QRP club sponsored a building event on Friday night. Several members got together and built the FB40 kit from the NJQRP Club. It was great fun but I've been sworn to secrecy about any of the details. The following hams participated: Shirley W000Z, Jerry WB0T, Mike KI0AF, Jeff AA0PN, Larry WB0RMT and son Alex KC0EBK, Paul KB0JIT, and John NU0V. All I can say is that the hotel will allow us to return. Thanks again to the NJ group and George Heron for helping us with the kits.

On Saturday IAQRP had a QRP luncheon for everyone interested. During the lunch Jerry (WB0T) and John (NU0V) were given certificates of appreciation from the club. Jerry does a lot of work (behind the scenes)

for the club and really is busy helping the club to prepare for the Sioux City hamfest. I would like to thank all those involved for the certificate. It was a great honor. The lunch was fun with a lot of good QRP fellowship!

I would also like to thank the following people / organizations for donating items for IAQRP to give away in Sioux City. Gary and Brad from Embedded Research provided a Tick 4 EMB kit; Paul Washa donated a copy of Rich Arland's new book 'Low Power Communications; Mike KI0AF provided a Tick EMB kit, and MFJ helped us out with some anniversary mugs. All went to good homes and again my thanks.

Also thanks to Larry (WB0RMT), Mike (KI0AF), Jerry (WB0T), Paul (KB0JIT), Ade (W0RSP), Jim (sorry but I did not write your call down), and I know I've left someone out (apologies in advance) for helping out at the display table. It was a lot of fun and all of you made it a success! Also cudo's to the vendors who supplied info on their products: Small Wonder Labs, Embedded Research, TenTec, MFJ, OHR, Hands Electronics, and Kanga US. If I've left anyone out my apologies.

Finally I want to again thank Ade (W0RSP). At the end of his presentation on Saturday (in front of a packed room) he paid me quite a few compliments. I was and still am totally stunned by the recognition. He then presented me with a gift which I will treasure forever. He gave me a first edition copy of his book 'Joy Of QRP' and an original copy of his CQ article which started it all. Both are autographed and inscribed with a message to me. I cannot thank you enough for your gift and I can't tell you how much they mean to me. You are a true friend and a gentleman and again I thank you.

Sorry for all the bandwidth but with all the fun over the weekend I'm really energized and excited about our special niche called QRP!

72, John NU0V

Date: Mon, 07 Jun 1999 09:44:18 -0400
From: S LYON <sslyon@worldnet.att.net>
To: qrp chat <qrp-l@Lehigh.EDU>
Subject: [42184] G4WIF & G3MFJ in NYC; REGEN REDUX
Message-ID: <375BCCB2.1E1343B8@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

What a day! great weather and low (Sunday) traffic -and what great folks are Tony and Graham. After a tardy start at JFK (due to Immigration and H-T crankinesses) we followed K2T0's excellent directions (new to me) to the hotel. After a brief assessment of energy levels we set forth to see a bit of New York, "in a New York minute".

Time really flew as we walked thru Central Park, took subways, a ferryboat view of Manhattan and the Statue of Liberty, trudged Wall Street and finally to Little Italy where we introduced our new friends to REAL PIZZA at Lombardi's (Kevin's recommendation) who have been there since 1905. It was a revelation -and we had a chance to catch up on the latest QRP tid-bits, too.

We were shown the latest secret weapons in the RE-GEN WARS and I must say, VERY IMPRESSIVE. Hamcomm attendees have a real treat in store with two different versions of regen jewells. There were also "controlled leaks" of some exciting new (non-regen) works in progress -stay tuned!

We ended the day over some Starbucks coffe and more chat (by this time our guests were bravely wrestling the Sleep Monster) and found ourselves inducted into the ranks of GQRP! Sincere thanks to both of you Graham and Tony, it was a great pleasure meet such sterling examples of the very best among us. Have a great time at Hamcom!

72

-s-
--

'Seab' Lyon - AA1MY
Beacon NY USA FN-31
QRP-L 574 ARCI 9253

Date: Mon, 7 Jun 1999 09:16:50 -0500
From: Karl.Kanalz@optelinc.com
To: waltk8cv@mpdr0.detroit.mi.ameritech.net
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [42185] FIRST (?) Capacitor kit
Message-ID: <86256789.004ECE22.00@hdsmt01.optelinc.com>
Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii
Content-Disposition: inline

No, you were'nt necessarily the *first* to get your capacitor kit (unless you walked over to Doug's house to get it!)... I received mine Friday morning.

Thanks Doug and all, for your hard work!

Karl K - W8TIF
McKinney, Texas

Date: Mon, 7 Jun 1999 09:26:45 -0500
From: Karl.Kanalz@optelinc.com
To: srichard@aldus.northnet.org
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [42186] Re: Wiring speakers
Message-ID: <86256789.004FB6CD.00@hdqsmtp01.optelinc.com>
Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii
Content-Disposition: inline

For a SINGLE loudspeaker, there is no need for "polarity".

You only need be concerned with "polarity" if you're going to wire it in parallel or series with ANOTHER speaker (in other words, you want the voice coils of each speaker to be in phase, or move in and out in the same direction at the same time).

For a single speaker application, as I mentioned, no polarity issues are involved. Since each terminal (should be) floats above ground, it doesn't matter which one you connect to the "ground side" of your radio.

Karl K - W8TIF
McKinney, Texas

Date: Mon, 07 Jun 1999 08:42:12 MDT
From: Jerry McCollom W0MC <w0mc@hotmail.com>
To: qrp-l@lehigh.edu

Subject: [42187] 10-turn pots sold out!
Message-ID: <19990607144212.11518.qmail@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Hi Everyone,

The third QRP-L 10-turn pot group buy is officially sold out. I just committed the last pot this morning. Thanks again to everyone who replied! The pots should be delivered to me sometime this week and I'll have them out to everyone either by the end of the week or as soon as payment is received.

ObQRP: Put the finishing touches on my RedHot-40-from-NC20-kit this weekend by replacing the J310s with 2N5457s and finishing the cabinet. This is a nice radio just like the NC20. I had the case powder coated a nice lagoon blue and used my good ol' HP 880C to make a front panel featuring a scene from Rocky Mountain National Park. Perhaps it should be the Red Hot Sky Blue 40 :-). Folks, Dave has an excellent radio here and I highly recommend his RedHot NC20 and RedHot 40!

72,
Jerry
W0MC

Get Free Email and Do More On The Web. Visit <http://www.msn.com>

Date: Mon, 7 Jun 1999 09:47:25 -0500 (EST)
From: bkobie@webtv.net (patrick obrien)
To: qrp-l@lehigh.edu
Subject: [42188] 20 MTRS
Message-ID: <5652-375BDB7D-13976@postoffice-141.iap.bryant.webtv.net>
Content-Disposition: Inline
Content-Type: Text/Plain; Charset=US-ASCII
Content-Transfer-Encoding: 7Bit
MIME-Version: 1.0 (WebTV)
Content-Transfer-Encoding: 7Bit

LOOKING FOR A 20 MTR QRP XCR
QSL K8LEN/PAT

Date: Mon, 07 Jun 1999 08:57:08 -0600

From: John Evans - N0HJ <jaevans@codenet.net>
To: qrp-1@lehigh.edu
Subject: [42189] Norcal 40 to other bands!!?
Message-ID: <375BDDC4.B982E267@codenet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Greetings,

I found an article on moving the Norcal 40 to 30m. Has anyone done a move of this rig to other bands?? I'd like to move mine to 160,80,15, or 10. I figure I can basically go by the Sierra band scheme and move this rig to other bands, but wouldn't mind hearing of success stories (or even failures).

tnx es 72

-- John A. Evans, N0HJ -- jaevans@codenet.net

Date: Sun, 06 Jun 1999 23:10:59 -0700
From: "Rick Tavan" <tavan@tibco.com>
To: lprzynski@erols.com
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [42190] Re: Capacitor kit
Message-ID: <Version.32.19990606230940.00fbce10@venus.tibco.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

What's next...Qs? Ls? Js?

/Rick N6XI

At 09:47 PM 6/6/99 -0400, Larry Przyborowski wrote:
>I received my capacitor kit yesterday afternoon.
>
>Thanks to all who made this kit a reality. Now my "Rs" have "Cs" to "play"
>with.
>
> A great job of packaging too- thanks for all the hard work.
>
>72 de Larry, K3PEG -.-
>

Date: Mon, 7 Jun 1999 10:33:03 -0400
From: Randy Hargenrader <randyh@harksystems.com>
To: "'qrp-1@lehigh.edu'" <qrp-1@lehigh.edu>
Subject: [42191] FW: KNet 6/6/99
Message-ID: <01BEB0D5.E6906D20.randyh@harksystems.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

-----Original Message-----

From: Randy Hargenrader [SMTP:randyh@harksystems.com]
Sent: Monday, June 07, 1999 10:02 AM
To: 'klqrp@waterw.com'
Subject: KNet 6/6/99

A great turn out for the KnightLites' QRP net this week!
We had ten QNI's with some noteable high points.

Sam, AE4GX checked into the net with 50mW on his homebrew Pierce oscillator based rig. NCS was located near Charleston SC and Sam is near Atlanta GA!

N1MO, Lon, checked in from Maine, braving the summertime conditions.

QNI: AE4GX, GA; N1MO, ME; N3GO, MD; AE4IC, NC; KE4KKR, TN; AE4LH, VA;
WB4OFT, NC; W4WDN, SC; KE4RU0, KY?; AND AC4QX, (missing some notes!)

My thanks to Gary, N3GO for helping me pick up some of the QNI's I missed.

The net ran for almost an hour, closing at 10:24pm.

The KnightLites meet every Sunday night at 9:30pm eastern time on 3.686.4 MHz. All stations are welcome, including QRO. Feel free to comment on your latest QSO, project, or the RST of the other stations on the net. Hope to hear you on!

72,
Randy WJ4P

===== KL QRP Club Mailing List =====
To unsubscribe from this list, send email to listserver@vramp.net and put the text "unsubscribe klqrp" in the message. To post a message to the list, send email to klqrp@vramp.net.

Date: Mon, 07 Jun 1999 08:27:13 PDT
From: lane cox <lanecox@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [42192] regen receiver
Message-ID: <19990607152713.14595.qmail@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Encouraged by the group, I have decided to build the desert ratt
regenerative receiver. I am connecting the parts directly together so the
finished product looks like a 3D piece of modern art. So far I have built
the RF stage and it seems to work ok. I will keep you posted on my
progress. Lane Cox N6NLB

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Date: Mon, 7 Jun 1999 11:33:03 -0400 (EDT)
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
To: QRP-L List <qrp-l@lehigh.edu>, gqrp@onelist.com, towertalk@contesting.com,
antennas@qth.net, antennaware@contesting.com
Subject: [42193] T2FD Modeling Note
Message-ID: <Pine.GS0.4.10.9906071131100.9767-100000@moe.cas.utk.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I have received several requests to develop some systematic modeling data
on the T2FD. A preliminary note in this direction is not at the site,
under the modeling category in the main index. I hope it is useful to
someone.

-73-

LB, W4RNL

L. B. Cebik, W4RNL	/\	/\	*	/	/	/	(Off) (423) 974-7215
1434 High Mesa Drive	/	\	\	\	----	/\---	(Hm) (423) 938-6335
Knoxville, Tennessee	/\	\	\	\	/	/ /	(FAX) (423) 974-3509
37938-4443 USA	/	\	\	\			cebik@utk.edu
URL:	http://web.utk.edu/~cebik/radio.html						

Date: Mon, 07 Jun 1999 11:35:11 -0500
From: Randy Randall <RANDALLR@Healthall.com>
To: qrp-1@Lehigh.EDU
Subject: [42194] Re: Wiring speakers
Message-ID: <s75baecb.087@Healthall.com>
Mime-Version: 1.0
Content-Type: text/plain
Content-Disposition: inline

Be careful with his advice. There is sometimes a strap on the terminal board from the neg. terminal to the rivet holding the terminal strip. use an VOM and make sure. Get a AA battery and connect it to the speaker and watch the way the speaker cone moves. If it moves out then the battery is connected positive term. to pos. term., neg term to neg. term. If it moves in you have pos. to neg, neg. to pos.

73
Randy KB8AS0
>>> <Karl.Kanalz@optelinc.com> 06/07 9:26 AM >>>

For a SINGLE loudspeaker, there is no need for "polarity".

You only need be concerned with "polarity" if you're going to wire it in parallel or series with ANOTHER speaker (in other words, you want the voice coils of each speaker to be in phase, or move in and out in the same direction at the same time).

For a single speaker application, as I mentioned, no polarity issues are involved. Since each terminal (should be) floats above ground, it doesn't matter which one you connect to the "ground side" of your radio.

Karl K - W8TIF
McKinney, Texas

Randy E. Randall
Network Engineer
The Health Alliance of Greater Cincinnati
3200 Burnet Ave. Room 4618
Cincinnati, Ohio 45229
Ph. 513-585-7146
FAX 513-585-7159
E-mail randallr@healthall.com

!

!

Date: Mon, 7 Jun 1999 09:07:02 -0700
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: <qrp-l@lehigh.edu>
Subject: [42195] Final HamCom Preregistration List
Message-ID: <01beb0ff\$c8163440\$630a0d0a@doug.dpol.k12.ca.us>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

We did it!! We have 108 signups for the QRP Forums and events at HamCom this weekend. Everyone on the list is eligible for the drawing for a NC20 Kit and Special Case done by San Luis Machine. Thanks to NorCal and Doug Hauff for donating these prizes. Each qrper on this list needs to stop by and pick up their special laminated HamCom QRPer Badge at the NorTex QRP booth Saturday morning. Thanks to all who preregistered. Here is the list.

-
1. Doc Drake - W5TB
 2. Joe Spencer - KK5NA
 3. Barbra Spencer - KK5QA
 4. Doug Hendricks - KI6DS/M BIV
 5. Jim Cates - WA5GER
 6. Graham Firth - G3MFJ/W3MFJ
 7. Tony Fishpool - G4WIF/K4WIF
 8. George Dobbs - G3RJV
 9. Ed Manuel - N5EM
 10. Stuart Rohre -K5KVH
 11. Larry Wise - KA5T
 12. Jay Bromley - W5JAY
 13. Chuck Adams - K5F0
 14. Royce Rainwater - KE5TC
 15. Paul Harden - NA5N
 16. Jerry Parker - WA6OWR
 17. George Pierce - WA5ABS
 18. Glen Reid - K5FX/M BGF
 19. Dub Thornton - WA5YFY
 20. Clif Sikes - AB5UA
 21. Dick Stemson - KK5X0
 22. Vic Turner - WA6EIW
 23. John Carter - W5LGO

24. Vernon Hatley - KK5RO
25. Burl Keeton - N5DUQ
26. Bob Hynd - N5URL
27. Jim Kortge - K8IQY
28. Jim Duffy - KK6MC
29. Kelsey Mikel - KK5KU
30. Vern Wright - W6MMA
31. Larry Brandon - K1ZW
32. Steve Lowrey - K5ATY
33. Keith Newman - K5YCM
34. Jonathan Setcer - KC5BRY
35. Larry Brandon - K1ZW
36. George Lee - KR5C
37. John Langridge - KB5NJD
38. Dan Copeland - N DT
39. Wes Spence - AC5K
40. Steve Yates - AA5TB
41. Ron Hambric - N5SBN
42. Alex Kaplinsky - K5UNY
43. Tom Stibal - W TJ
44. Bill Steitenroth - K5ZTY
45. Paul Smith - KD5DBO
46. Henry Schneider - W5HNS
47. Phil Salas - AD5X
48. Richard Kapalczynski - N5JI
49. Bob Helms - AF5Z
50. Dave Little - AF5U
51. Bill Pierrard - K5JHP
52. Bart Lawson - N5WL
53. Dave Martin - K5YFO
54. John Sanders - AB5ZR
55. Terry Myers - KQ5U
56. Veda Henson - KF6JHC
57. Norm Melick - KQ6SD
58. Robert Lucas, WD5IBX
59. Dave Fifield, AD6Y
60. Mike Gipe, K1MG
61. Tim Pettibone - K5OI
62. Scott Weathersby - AA5BK
63. Ted Kell - KC5CUW
64. Gary Hanson - KJ5VW
65. Ed Geiger - KD4AB
66. Justin McAllister - K5AEA
67. Brad Bradfield - W5CGH
68. David Kreinberg - NR3E
69. Oscar Hoyt - K5UBS
70. Charlie Crouchet - WA5KRF
71. John Moore - KK5NU

72. Junius Fox - W5HIR
73. Bobette Doerrie - N5IS
74. Jerome Doerrie - K5IS
75. Lee Bahr - W VT
76. Paul Conant - WQ5X
77. Todd Foster - KD5FUF
78. Gody Siason - AC6UV
79. Karl Kanalz - W8TIF
80. David Conant - KD5CPT
81. Roy Throne - KB5STV
82. Dave Redfern - N4ELM
83. Dennis Cobb - WA8ZBT
84. Stew Stewart - KD5DL
85. Alison Brandon - KC5VJC
86. Jim Stafford - W4QO
87. Marilyn Stafford - K4ZOL
88. Martin Jue - K5FLU
89. Richard Stubbs - KC5NSZ
90. Steve Pan - KF5C
91. Jerry Wilson - NN5B
92. David White - WN5Y
93. James Rue - KC5HAC
94. Jay Proffitt - KC5TXX
95. Ron Sparks - KC5ODM
96. Larry Jones - N5OSG
97. Anthony Dick - KC5PXW
98. Amanda Dick - KC5ZRA
99. Chuck Sanders - N05W
100. Darrell Brooks - WA5VGO
101. Huey Holden - WB5YLQ
102. Tim Ahrens - W5FN
103. KA5PXK - Chris Spence
104. Dale LeDoux - KD5QI
105. Ron Phillips - WJ5F
106. Dwain Lawhon - K LOA
107. Jerry Decker - N5RV
108. Michael Hopkins - AB5L

Note that if there is a blank in the call where the number should be, it is because the mailer does not recognize a zero with a slash in it. Lee Bahr, for example will show W VT, but his badge will show W zero with a slash VT. Hope I explained that.

72, Doug, KI6DS

Date: Mon, 7 Jun 1999 10:57:23 -0500
From: Karl.Kanalz@optelinc.com
To: RANDALLR@Healthall.com
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [42196] Re: Wiring speakers
Message-ID: <86256789.0058038E.00@hdqsmtp01.optelinc.com>
Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii
Content-Disposition: inline

If you'll notice, Randy, I DID use the qualifying words ".... each terminal (should be) floats above ground..."

I would assume that the reader is paying attention to the text, wouldn't you?

Then again, sometimes even instructions on the heel of the boot don't work either, do they?!

Karl K - W8TIF
McKinney, Texas

Randy Randall <RANDALLR@Healthall.com> on 06/07/99 11:35:11 AM

Please respond to RANDALLR@Healthall.com

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
cc: (bcc: Karl Kanalz/hdq/Optel)

Subject: Re: Wiring speakers

Be careful with his advice. There is sometimes a strap on the terminal board from the neg. terminal to the rivet holding the terminal strip. use an VOM and make sure. Get a AA battery and connect it to the speaker and watch the way the speaker cone moves. If it moves out then the battery is connected positive term. to pos. term., neg term to neg. term. If it moves in you have pos. to neg, neg. to pos.

Randy KB8ASO

>>> <Karl.Kanalz@optelinc.com> 06/07 9:26 AM >>>

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Karl K - W8TIF
McKinney, Texas

Randy E. Randall
Network Engineer
The Health Alliance of Greater Cincinnati
3200 Burnet Ave. Room 4618
Cincinnati, Ohio 45229
Ph. 513-585-7146
FAX 513-585-7159
E-mail randallr@healthall.com
!

!

Date: Mon, 7 Jun 1999 11:02:22 -0500
From: "Nathan Gordon" <nathang@bigfoot.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [42197] Cap kit, and Heathkit
Message-ID: <030401beb0ff\$47f5e940\$0401a8c0@nathan>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"

Content-Transfer-Encoding: 7bit
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Hi Everyone,

I received my cap kit Saturday. Thanks Doug, and all. We were out most of the day Saturday, and when we got back, there were three boxes of electronic stuff on the porch, and in the cap kit in the mailbox.

Some kind person must have seen the vertical in the side yard, and left it for us. In it was a complete unbuilt Heathkit. It is a wireless intercom, so not ham radio related, but still, I get to build my first Heathkit!

Also there was a Motorola HC11 M68HC11EVB microcontroller, that I don't know what to do with. Can anyone tell me what it is useful for, and how to start using it? It has mac software, is there any ibm software I can download for it?

On making CW more friendly, I became a ham in 1991 as a Novice, and age 15. I became a ham because I thought morse code was cool. I still do. Maybe I'm weird, but my brother and I both like CW and use it most of the time. My other brothers who are still young, have no interest in CW, they use computers, and program them. Nothing wrong with that, but I think computers are the problem. I never used a computer until I was 16 or so, and that was an old CPM machine. Didn't use IBM until out of highschool and got a job.

What a long post.

73 everyone. Lets get on the air more.

Nathan, KF9LI

Date: Mon, 7 Jun 1999 12:16:23 -0400 (EDT)
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
To: QRP-L List <qrp-l@lehigh.edu>, gqrp@onelist.com, towertalk@contesting.com, antennas@qth.net, antennaware@contesting.com
Subject: [42198] NOT--NOW: T2FD Note
Message-ID: <Pine.GSO.4.10.9906071214080.11682-1000000@moe.cas.utk.edu>
MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

I hate Monday mornings. "now at site" became "not at site", even though it really is there. Or was when I just looked. Sorry about any confusion.

-73-

LB, W4RNL

L. B. Cebik, W4RNL	/\	/\	*	/	/	/	(Off)	(423)	974-7215
1434 High Mesa Drive	/	\	\	\	----	/\---	(Hm)	(423)	938-6335
Knoxville, Tennessee	/\	\	\	\	/	/		(FAX)	(423) 974-3509
37938-4443	USA	/	\	\	\	\			cebik@utk.edu
	URL:	http://web.utk.edu/~cebik/radio.html							

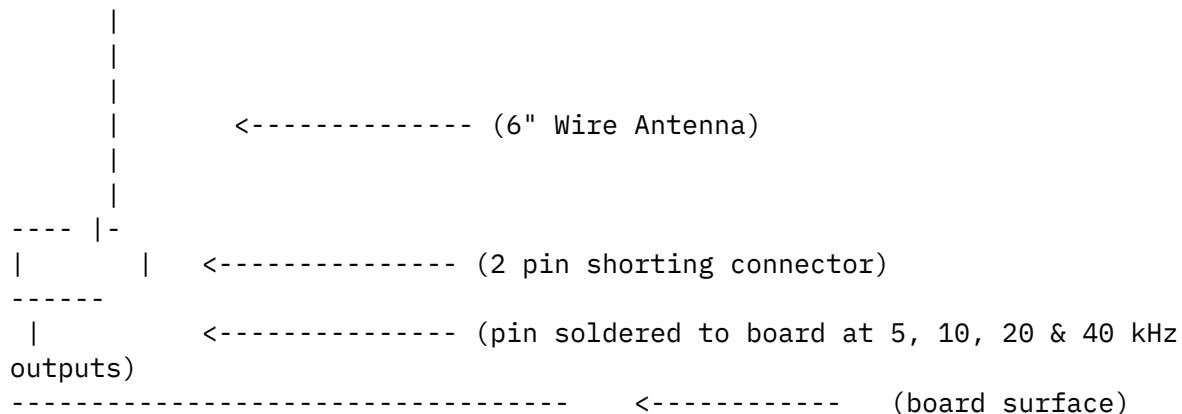
Date: Mon, 7 Jun 1999 11:24:35 -0500
From: Kyle Lusk <klusk@bhm vending.com>
To: "'qrp-1'" <qrp-1@Lehigh.Edu>
Message-ID: <01BEB0D8.547DAEE0.klusk@bhm vending.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I am brand new at qrp .I am building a nw 80/20 at 40 meters I dont understand the vfo is at 4.8 meg to 5 meg that is what is in the book .I thought it would be at 7 meg?

Date: Mon, 7 Jun 1999 09:42:17 -0700
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: <qrp-1@lehigh.edu>
Subject: [42200] Mod #2 to Ft. Smith VE3DNL Marker Generator kit
Message-ID: <01beb104\$b471e060\$630a0d0a@doug.dpol.k12.ca.us>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Yesterday, I took my Ft. Smith VE3DNL Marker Generator kit to the NorCal meeting, and was showing it around. Ron Smith, (no relation to Ft.) came up

I thought that I had the perfect solution. Then Ron Smith, KE6RS walked up and proudly showed me his Ft. Smith QRP Club VE3DNL Marker Generator. And his solution for being able to change output frequencies is even better than mine! A mod to a mod! He uses the 2 pin shorting connectors that are on every computer board! He puts the pin in the board at the 4 output frequencies, then he solders the 6" antenna wire to one side of the connector and puts the other side on the pin. Simple, elegant, and much better than my method, because it allows you to use a #20 solid wire instead of the flimsy wire that I used. Here is an attempt at an ascii drawing.



I use an Altoids tin to store mine, and am going to mound the kit in there permanently using hot glue or velcro. Battery and all will fit in the tin. Might even get fancy and put a power switch in it too! The antenna will fold an fit inside too.

If you have not ordered your Ft. Smith QRP Club VE3DNL Marker Generator Kit, here is how you do it.

First, send an email to Jay Bromley at:

.
w5jay@alltel.net

.
telling him that you want to reserve a kit. Then send Jay a check for \$12, \$10 for the kit, \$2 for the s&h made out to Jay Bromley to:

.
JAY BROMLEY
9505 BRYN MAWR CIR
FORT SMITH AR 72903

.
That is all there is to it. Don't forget that you can also use this as a poor man's signal generator. It has a built in air attenuator, and it is ideal for aligning receivers. Ever notice that you finish building your receiver and are ready to align it. You tune for a "weak" signal to peak it, and the band is deader than a doornail. Don't worry about that ever again, as you have your Marker/Signal Generator!

By the way, I have no financial ties to this project, all funds will be used to put on the 2000 QRP Forum for the Ft. Smith QRP Club.
72, Doug, KI6DS

Date: Mon, 07 Jun 1999 10:33:03 -0600
From: Bruce Kizerian <kizerian@ced.utah.edu>
To: cebik@utkux.utcc.utk.edu
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [42201] Re: NOT--NOW: T2FD Note
Message-ID: <375BF43F.4AB346E4@ced.utah.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

L. B. Cebik wrote:

> I hate Monday mornings. "now at site" became "not at site", even though
> it really is there. Or was when I just looked. Sorry about any
> confusion.

At least you have an excuse. I do this sort of thing in the middle of the day in the middle of the week.

Bruce kk7zz

Date: Mon, 07 Jun 1999 09:48:29 -0700
From: Allan G Taylor <k7gt@qsl.net>
To: qrp-l@lehigh.edu
Cc: w1hijcw@aol.com
Subject: [42202] Cuddly CW!
Message-ID: <375BF7DD.4B58@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I was bitten by an incredible fascination with Morse code as a result of a book read to us in 6th grade. Reading of books by teachers to the class was a curious activity at this country school in Oregon. As it happens, the teacher read a book about some teenage boys who, by playing around with a SW radio, helped catch some spies by intercepting a message given in Morse. yep, this was the 50s!!

Anyway, when we moved to CA and I found a friend's dad was a ham, I was right into it! Got my license (WV6ALQ) in June 1958 just after turning 11. Learned code during recesses! Passed my General at the Battery St FCC office in SF, watching many old men (to an 11 yr old, EVERYONE is OLD!) go down in flames by not knowing the code well enough. My love for Morse has never waned, although I have been off the air for major chunks of time tending to higher priorities (school, earning a living, being a good dad, etc).

To me, Morse at anything over 15 (preferably 20) and up to about 40 is downright cuddly, conversational and wonderful. At much past 40 it begins to sound harsh to my ear, although I can sometimes make out calls and fragments to something over 50 wpm. I have enjoyed my association with the QRP gang mostly because of an implicit agreement to use cw and to QRPs appropriateness to portable work. (I did work KH6 last field day with 15m ssb/QRP, though)

Yes, I do own a mike. Don't use it much, though. In fact, I find it much more difficult to get a callsign on ssb using phonetics than a single snappy pass at 35 WPM Morse!

I am sure there are many out there with both similar and very divergent experiences relative to Morse. Let's agree to disagree and just enjoy this wonderful hobby of ours as long as we can. I am personally hoping enough cw ops survive the next ten years so I can have a good time once my retirement years finally arrive! I won't give up radio if cw truly goes away, but it will surely be the passing of a good thing if it fades away.

By the way, I just LOVED the recent CQ WPX contest with its new scoring format. Everyone works everyone!! Just great! My contesting skills still stink but at least the station is wired for rig control and logging now. No excuses left!

Sorry for the bandwidth, but I had to add my 2c.

Allan K7GT sometimes QRP-er, almost always cw guy.

--

```

                                     |
                                   /|
                                 /  |
Allan Taylor  K7GT                | /Z | \   FISTS 3222 ARS 228
    k7gt@qsl.net                 /| /599| \   DXCC and WAS 40/cw
    Pleasanton CA                |_|/____|__\_ http://www.qsl.net/k7gt
...QRO, QRP, or barefoot..... [ \--===== -/
~~~~~
```

Date: Mon, 07 Jun 1999 12:52:16 -0400
From: "Ed Hare, W1RFI" <w1rfi@arrl.net>
To: qrp-l@lehigh.edu
Subject: [42203] Re: Tuna Tin II
Message-ID: <375BF8C0.27C5@arrl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi, fellow QRPers,

I wanted to offer a bit of update on the Tuna Tin II. I have been operating the original from home a bit, but with limited results so far. I worked K1QM twice (nice sigs, Joel), receiving a 229 once, and a 449 the second time. Clearly, I need to get up a better antenna than the trap dipole up 25 feet I am presently using.

I will be hanging around 7049.68 kHz tonight (maybe 0100-0200 or so, longer if I am actually making contacts), again tomorrow morning (1000-1100 or so). By tomorrow evening, I should be near 7040 kHz. The rig runs about 500 milliwatts, and has a very slight chirp to it. I am using an old J-38, so listen for about 15 wpm of hand keying.

Now, some good news for the West Coast QRPers. I am going away on business later this month to Los Angeles, followed by a week in the LAX sun. I will set up some sort of antenna from my sister's apartment and try to get on from about 1200-1400 Z every morning, and maybe a bit in the evening, from 6/21-6/25. (I am open to an eyeball QSO with any of the LA area QRPers!) Unfortunately, I will just miss Field Day, returning to CT on 6/26. If you hear KC1SX on Sunday 6/26 on 40 meters, he may be using the TT2, so give him a call. Heck, give him a call anyway. :-)

Now, I am going to be at Ft Tuthill the following month, so I will bring the Tuna Tin II with me then, too. I hope to spend some time hanging around the QRP site, although I have to spend time with the "QRO" convention, too. It should be possible to put it on the air and give folks a chance to work it, and to operate it, if at all possible. Should be a lot of fun!

Sure would love to work a few more QRPers using the original Tuna Tin 2, so listen for me! :-) From the reports I have received, I will probably hear you better than you hear me, so let's give it a go, even if we only exchange 229s.

72,
Ed Hare, W1RFI

Date: Mon, 07 Jun 1999 12:36:13 -0500
From: "Brad Bradfield, PE" <b_bradfield@yahoo.com>
To: burnley-ia@worldnet.att.net, qrp-1@lehigh.edu
Subject: [42204] Re: Is this heaven? You bet it's QRP (LONG)
Message-ID: <375C030C.7E0EBA51@yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

But John, please explain to me how the Iowa State Convention can be held in South Sioux City, NEBRASKA?!?!?!?

Oh, well. Go Huskers!

72's es 73's,

Brad, W5CGH (ex WB0CGH)

Date: Mon, 7 Jun 1999 10:12:56 -0700
From: Wayne Burdick <n6kr@elecraft.com>
To: jaevans@codenet.net
Cc: qrp-l@lehigh.edu, qrpbob@datatamers.com
Subject: [42205] re: Norcal 40 to other bands!!?
Message-ID: <v0310280cb381ac0a9ed4@[206.169.228.48]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi John,

I included instructions for converting the '40A to 80 meters in the '40A manual. As for other bands, it comes down to choosing an I.F. and VFO frequency, basically. Some combinations will cause birdies. That's why I use such an odd I.F. in all of my designs ('40A, Sierra and K2 all use 4.915 MHz as the I.F): it moves nearly all of the birdies outside the ham-bands.

For a "NorCal 30", I'd consider using an 8 MHz I.F. This would allow you to keep the same VFO range (around 2 MHz). You'll have a birdie right on top of WWV, though. You can try a different I.F. just below 8 MHz and move the VFO up a little

For 20 meters, you can use an I.F. of 12 MHz and VFO on 2 MHz, but you'll get a birdie at 14.000 and very poor crystal filtering. Better to keep the 4.915 MHz I.F. and add a mixer/band-pass filter to shift the VFO up to 18.915 MHz (i.e., use a "premixed" VFO as in the Sierra). This rule applies to all bands higher than 15 m too.

Another option is to replace the VFO with a VXO, as in the SST. In this case a wide variety of I.F./VFO combinations will work.

On the higher bands (10 and 12 meters) you'll hit both receive and transmit strip gain limitations.

73,
Wayne
N6KR

Date: Mon, 7 Jun 1999 13:31:06 -0400 (EDT)
From: Bob Patten <n4bp@bc.seflin.org>
To: QRP-L Reflector <qrp-l@lehigh.edu>
Subject: [42206] TAC N4BP
Message-ID: <Pine.3.89.9906071334.A26837-0100000@bc.seflin.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Comments: Argh! Between lousy propagation and S9 noise, I gave it up after three and a half hours of utter frustration. All Q's were on 20M, didn't even bother trying 40M.

Total QSOs (except PA TACs) X 5 = 170 (34 QSOs)
Total QSOs with PA TACs X 10 = 60 (6 QSOs)
Total QSO points = 230

Total of TACs and Country prefixes = 32

Multiply total QSO points by total of TACs and Prefixes = 7360

Add 1000 points for QRP (5 watts) = 8360 Total contest score

73,

Bob Patten, N4BP (0 0) Plantation, FL
-----o00o-()-o00-----

E-Mail: n4bp@bc.seflin.org
Web Page: <http://wg104a.wh.uni-stuttgart.de/~n4bp>
Brass Pounder BBS: (954) 472-7715

Date: Mon, 07 Jun 1999 19:38:00 +0200
From: "Robert M. Ganter" <hb9dnn@gmx.net>
To: qrp-l@Lehigh.EDU
Subject: [42207] test, sorry, please ignore
Message-ID: <375C0378.9933B42B@gmx.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi folks,

sorry for that, but I had big problems with another e-mail to write to qrp-l, so I re-subscribed with another one.

Hope it works now with that one.

73/72

Robert

--

Robert M. Ganter, HB9DNN

Date: Mon, 7 Jun 1999 14:03:19 -0400 (EDT)
From: Chris Cartwright Sr <ccart@phideaux.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [42208] TAC de N3XRV
Message-ID: <Pine.LNX.4.04.9906071350010.273-100000@dns.phideaux.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 7 Jun 1999, Bob Patten wrote:

> Comments: Argh! Between lousy propagation and S9 noise,

Well you must have been "one hop" into MD, you were strong on my HW-9 almost all day. I started referring to you as N4BP/B everytime I ran down 20 meters:) You were my first contact in the test, after spending about 10 minutes CQ'ing on 15 with no takers. Also wasted some time on 10 and 80, but 40 and 20 produced 30+ QSO'a and about 6500 points.

Went TACTical in the woods behind the house, found out too late that I was in a strawberry patch filled with bees! Sorry to all those that got the rotten fist while trying shooo the visitors:) Best DX was Alan, KB7MBI, also heard EA8YU but no joy.

At one point a station who had been calling CQ (sri log's at home, can't remember ur call) after working me, let me know that K1QM was calling me. He stepped back, let me work Joel, and then continued on. TU AGN!! Safe bet that this could ONLY happen in a QRP 'test. Tnx to all es 72

-- Chris Cartwright, Technical Engineer | ccart@phideaux.com --
-- N3XRV ARRL-VE Norcal Zombie #163 | Gaithersburg, MD FM19je --

-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --

Date: Mon, 07 Jun 1999 13:07:33 +0000
From: Jay Bromley <w5jay@alltel.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [42209] VE3DNL Marker/Generator:FSQC
Message-ID: <375BC415.9ACB6D86@alltel.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Gang,
I have mailed out the first 100 kits and I have 15 orders that came in Friday. I am expecting to be swamped with another 80 checks this week. I have made up another 100 kits this weekend and I am getting ready for more when I get back from HamCom. Please be patient with me, I am going to get out all the orders I can before Wednesday then I have to quit and get ready for HamCom. Also we will be entertaining the Rev. George Dobbs this week as well so it is going to be a hectic week for sure. If I get a little behind I will not cash the checks till the kits are ready to go out the door.

I keep getting e-mails asking if the kit is still available? Yes it is and will be, but it may take a little longer getting them in the mail on the second run. About the time I think I can relax and take a break I get another 50 orders by e-mail. It is weird but it's always after Mr. Doug puts up one of his posts, I wonder if this could have anything to do with it?? I big thank you all the way around to those that bought the kit and also a round of applause goes to Mr. Doug, Chuck Adams, and Jerry Parker for making the project possible. I need to give Fred at Far Circuits big thank you for getting us the boards, he has been very great to work with. Fred is like the rest of us that has a day job in addition to his hobby, hihi. Next years QRP forum at Fort Smith Hamfest will be a huge success because of the VE3DNL kit project. Thank you all!!!

73 de w5jay..

Date: Mon, 7 Jun 1999 14:29:45 EDT
From: DENNISMO@aol.com

To: qrp-1@lehigh.edu
Subject: [42210] Re: Cute and Cuddly CW
Message-ID: <b56b59d2.248d6999@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Gang -

This has been a long thread.... but didn't it all begin with one of our very own expressing his delight that his mother (76 yrs. young) was finally interested in getting her General class ticket after many years of being a Tech+? I believe all he said was that she wanted to get her General this summer and ".... So I will need to make CW cuddly and irresistible this summer." Wouldn't most of you try to make CW cuddly and irresistible, if you knew how; if your wife, child, close friend, etc, said that they were interested in learning it and getting their ticket?

My hat goes off to Jim AL7FS up in Anchorage. And Jim, if you come up with a way to make CW cuddly and irresistible, more than it already is, please let me know! I have 4 grandkids, two have discovered the opposite sex and two are skateboard nuts. Would love to convert at least one or 2 of 'em to Ham radio. My wife will be a harder sell - she doesn't even like talking on the telephone.

72 es God Bless de Denny AD6EZ <><

Date: Mon, 07 Jun 1999 18:40:27 -0700
From: dave.g0dja@psilink.co.uk (Dave Ackrill)
To: "Dave Lunn" <dlunn@easynet.co.uk>
Cc: qrp-1@lehigh.edu
Subject: [42211] Re: [GQRP] Wot no messages?
Message-ID: <E10r4F7-0003J4-00@relay4.mail.uk.psi.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>From: "Dave Lunn" <dlunn@easynet.co.uk>

>

>In response to Frank's plea for more messages to the List, here's a possible
>new thread. A few days ago I was introduced to the (relatively) new PSK31
>mode. It's great, simple to get started on AND lends itself very well to
>QRP operation.

<Snip>

I've seen reference to this data mode, and wonder if there are any 'recommended' sound cards to use?

I do not have a soundcard, but with Elvaston coming up, maybe a 'bargain' may jump up into my arms without me realising it and I would just 'have' to buy it to avoid being accused of shop lifting. ;-)

I've been 'playing' with Packet on HF, and now maybe understand why those annoying stations on Packet obliterate the beacon frequency on 14.100 (this is not intended to excuse their operation, just explain how it might happen - please, it's not my problem how others operate their stations, I get just as frustrated in not being able to hear the beacons!) it seems that the 'standard' for data modes on any band is to use LSB. When I have my TS850S set to the 'CW' setting, I can decode various Packet stations on 14.100MHz, however, when using LSB I have to retune to 14.102.5MHz, or thereabouts (yes, now I've done the monitoring, I can see why as well, but before I listened I couldn't see why they wanted to 'use' 14.100MHz - HI!).

Anyway, to get to the QRP bit, does anyone fancy trying QRP data modes? I can run many modes from this KAM+, but not PSK31 yet. See above. :-)

I'm also using UI-View, is anyone interested in QRP propagation experiments using UI-View, HF or VHF/UHF?

Cheers - Dave (G0DJJA)

Date: Mon, 7 Jun 1999 13:58:27 -0500
From: Kyle Lusk <klusk@bhm vending.com>
To: "'qrp-l'" <qrp-l@Lehigh.Edu>
Subject: [42212] vfo torrid
Message-ID: <01BEB0ED.D2988060.klusk@bhm vending.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Tnx for the replys . To my nw 80/20 problem. To get the vfo at 5 meg , I took off 5 or 6 turns , it said 27 turns ,is that a problem?

Date: Tue, 08 Jun 1999 15:33:07 -0400
From: Paul Kaczmarek <catmandu@freewwwweb.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>, Steven Weber

<kd1jv@moose.ncia.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [42213] Re: Bench Power Supply
Message-ID: <375D6FF3.6C31@freewwwweb.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Steven Weber wrote:

>
> Hi Paul,
>
> Good luck! I can't see why you'd want a supply good to 37 volts at 10
> amps, but you must have your reasons.
>
> If you try to make a supply capable of 10 amps at 37 volts and be
> variable down to near zero, your going to need a very, very big heat
> sink. Your going to have to start with 45-50 volts raw DC with a
> VBFC (very big friggin capacitor) to keep the ripple down to a couple
> of volts at 10 amps. When you use the supply at a more typical 13.8
> volts at 10 amps, you will be disappating over 300 watts in the heat
> sink! The thing is going to have to be massive, to say the least!
>
> Personally, I'd build two supplies into one box. One would be a 10
> amp supply good to about 14-15 volts. A second supply would be for
> 20 to 40 volts, at just a couple of amps. You could still use the 723
> as a regulator if you float it above ground by putting a zener in
> series with it's ground lead. Or you could build a discrete regulator
> using only transistors and a zener diode.
>
> Good Luck!
>
> BTW, one source for a 50 volt transformer good for 4-5 amps is an old
> high power stereo amplifier. I have several here if you want to pay
> the shipping costs on 10-15 lb's of iron!
>
> 72,
> Steve, KD1JV in the white Mountains of New Hampshire
> "melt solder"

Hi Steve,

I like the idea of building a 2 in 1 supply. If I don't find a better design I will probably do just that. But I can't help but wonder how the commercial units from B&K, Leader and others do it and why it's so hard to find a design to follow. Maybe someone has built or knows of one that's been covered in QEX, QST or some of the Electronics Mags.

Thanks for the reply.

Paul KB2TPA <>> U.S.M.C. Sierra/TT Argosy

Date: Mon, 07 Jun 1999 19:48:44 +0000
From: Goran Hosinsky <hosinsky@jet.es>
To: lanecox@hotmail.com
Subject: [42214] Re: regen receiver
Message-ID: <375C221C.A6A92C63@jet.es>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Good luck!

I understand that regen receivers also radiates in the antenna, perhaps you could key it and use it as a transceiver?

72

Goran ea8yu

lane cox wrote:

> Encouraged by the group, I have decided to build the desert ratt
> regenerative receiver. I am connecting the parts directly together so the
> finished product looks like a 3D piece of modern art. So far I have built
> the RF stage and it seems to work ok. I will keep you posted on my
> progress. Lane Cox N6NLB
>
> -----
> Get Free Email and Do More On The Web. Visit <http://www.msn.com>

Date: Mon, 07 Jun 1999 14:08:54 -0600
From: Bruce Kizerian <kizerian@ced.utah.edu>
To: qrp-1@Lehigh.EDU
Subject: [42215] ElmeRadio (Regen)
Message-ID: <375C26D6.68928B7B@ced.utah.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Friends

The first cut at the ElmeRadio document is ready.
Unfortunately, the only reasonably compact document size is
in the AutoCad LT .DWG format (74KB). Other formats
available: AutoCad .DXF (168KB), Windows .WMF (329KB),
Microsoft Word (1003KB!!!).

If someone has the cabability to convert to .PDF it would be
nice. Anyone with a website who could post it is welcome to
it.

The radio is a picture of simplicity. Very good performance
for a very low parts count.

I will answer all questions. If you have any suggestions for
another document format, please, let me know. (Sorry, I
don't do text schematics).

The TL431 audio amplifier is pretty amazing. 50+dB gain with
a three terminal shunt regulator in a T0-92 package.

I would appreciate others building it. One prototype does
not a kit project make. Help!

Bruce kk7zz

Date: Mon, 7 Jun 1999 13:25:50 -0700
From: "Mike Silva" <mjsilva@jps.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [42216] Re: regen receiver
Message-ID: <026101beb123\$eee661c0\$2c89a9ce@davidb-200.amotusa.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

>Good luck!
>I understand that regen receivers also radiates in the antenna, perhaps
>you could key it and use it as a tranceiver?

Since the regen detector is usually operating at the ragged edge of
oscillation its radiation is generally only in the micro or nanowatt

range -- how far were you hoping to transmit? Even so, the best regens had/have an RF amplifier ahead of the detector, in order to eliminate (a) detector radiation, (b) detector loading (dead spots) and (c) frequency changing with antenna movement.

73,
Mike, KK6GM

Date: Mon, 7 Jun 1999 08:33:49 +0200
From: "Peter Zenker" <Peter_DL2FI@csi.com>
To: <n4js@pobox.com>, "'QRP-L via PoP3'" <qrp-l@lehigh.edu>
Subject: [42217] AW: "Super" Sierra
Message-ID: <000301beb11b\$fd3cb4c0\$6440d3d4@zenkerpn>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

Hi John,
I m you are surprised with our PA.

I had similar Problems with some Sierra modules I aligned for friends using an Analyzer. There is a problem at the bands above 14 if you align the modules only by a Wattmeter or Scope or RF Meter: The mixer bandpass at some modules are broad enough to let the wanted QRG passed and the groundwave of the Xtal as well, but the Lowpass will not. That means, if you tune the bandpass to the Xtal-QRG you will find a bandpass maximum, but a very low output.

I cannot say the frequencies for 21 MHz in the moment because I am travelling by train just in the moment (180 km per hour between Berlin and Hamburg, e-mail works great by Handy :-))

My tip to all people without an Analyzer:

Tune the Bandpass while transmitting into a dummy load and watching a stn receivers S-meter to S-Meter Maximum at the desired end-frequency. After you have found a maximum, dont touch the bandpass again.

72 de Peter, DL2FI
DL-QRP-AG

> -----Urspr ngliche Nachricht-----

> Von: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU]Im Auftrag
> von John L. Sielke
> Gesendet am: Samstag, 5. Juni 1999 19:31
> An: Low Power Amateur Radio Discussion
> Betreff: "Super" Sierra
>
> Just finished putting the final touches on my "Super" Sierra.
> I installed ABX
> in my old Norcal Sierra, which already had the Buzznot and
> KC2. The final touch
> was the DL-QRP amp. Wow, does that little thing work. At full
> power 9.5 watts
> out on 14 Mhz, and 7.5 out at 28 Mhz! Similar, between 7 and
> 9 on all the
> other bands, except 15M, which only gives me 3. But I have
> always had trouble
> with the 15M module. I'm not sure what it is. In the stock
> Sierra, I was
> getting only 1 watt on 15. I know it's not the amp, as I have
> 8 watts on 18 and
> 7.5 on 24 Mhz.
>
> ---
>
> / \ / \ / \ / \ John L. Sielke n4js@pobox.com n4js@qsl.net
> (N)(4)(J)(S) NJ Grid:FM29LN <http://www.qsl.net/n4js>
> _ / _ / _ / _ / NJ-QRP #57 QRP-L #884 QRP-ARCI ARQrp #86
> G-QRP #9544 NorCal #1989 CQC AKQRP QCWA FISTS #2781
>

Date: Mon, 7 Jun 1999 09:34:59 +0200
From: "Peter Zenker" <Peter_DL2FI@csi.com>
To: "'QRP-L via PoP3'" <qrp-1@lehigh.edu>
Subject: [42218] Anouncement for German list members
Message-ID: <000701beb11c\$1bb06be0\$6440d3d4@zenkerpn>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Dear QRP-fellows

Starting immideate all Wilderness Products will be handled by QRPProject, a

legal sister (or daughter? or son) of DL-QRP-AG, the German QRP Club.

The reason to do this is, that importing kits from USA seems to be non interesting from a commercial point of view because tax, custom and shipment are so high. QRPPProject is based on a DL-QRP-AG club activity and does not need such a big margin as a commercial dealer needs to have. On the other hand the German QRP community is growing fast and lots of us love the well known N6KR constructions.

Think on QRPPProject as a type of well established group buy.

Yes, we can share this new Idea with other European Community :-) QRPers

For details and prices connect me by e-mail, please.

72 de Peter, DL2FI
DL-QRP-AG

Date: Mon, 7 Jun 1999 08:38:37 +0200
From: "Peter Zenker" <Peter_DL2FI@csi.com>
To: <newbold@cmn.net>, "'Low Power Amateur Radio Discussion'" <qrp-1@lehigh.edu>
Subject: [42219] AW: sierra tuning
Message-ID: <000401beb11c\$04f7c560\$6440d3d4@zenkerpn>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

Would it help mounting the knob at the backside of the rig ??

: -))

I think there is no way because the direction is caused by the the Sierra s mixer plan. To change the direction you have to change the way the band setting xtals are mixed with the VFO

72 de Peter, DL2FI
DL-QRP-AG

> -----Urspr ngliche Nachricht-----
> Von: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] Im Auftrag
> von Mike Newbold

> Gesendet am: Samstag, 5. Juni 1999 19:56
> An: Low Power Amateur Radio Discussion
> Betreff: sierra tuning
>
> speaking of Sierras, one of the best qrp rigs ever...
> has anyone done a mod to change the direction of the tuning knob? i.e.
> clockwise = higher frequencies, ccw = lower frequencies.
> compared to my
> other rigs its backwards.
>
> thanks
> mike K0Y0
>

Date: Mon, 07 Jun 1999 20:31:05 +0000
From: wd8civ@att.net
To: qrp-l@lehigh.edu (QRP-L Mailing List)
Subject: [42220] Re: Bench Power Supply
Message-ID: <19990607203358.WHGA11709@webmail.worldnet.att.net>

> I like the idea of building a 2 in 1 supply. If I
don't find a better
> design I will probably do just that. But I can't help
but wonder how the
> commercial units from B&K, Leader and others do it and
why it's so hard
> to find a design to follow. Maybe someone has built or
knows of one
> that's been covered in QEX, QST or some of the
Electronics Mags.
>

Most of the commercial power supplies I've used were
either fixed voltage or variac controlled (aka
unregulated) for high current, or used linear regulators
for medium (up to 4 amps or so) and low current
applications.

For really good efficiency, though, look for a switching
regulator circuit. It's possible to get wide input (or
output) voltage ranges, high current, and excellent
efficiency (i.e. less power lost as heat). The downside
is circuit complexity (big chokes, big switching FETs) and

potential for noise radiated in the RF spectrum.

If you want to look into building a switching power supply, National Semiconductor makes controller chips and publishes lots of application notes. Check:

http://www.national.com/catalog/AnalogRegulators_SwitchingVoltageRegulatorsPWMICs.html

for a list of controller products. They should have links to application notes online.

--

Dave Hinerman WD8CIV

Date: Mon, 7 Jun 1999 16:51:16 -0400
From: "Scott" <k2zs@rochester.rr.com>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [42221] FS: Ten Tec Argosy 2
Message-ID: <000901beb127\$7d37c380\$3eca5f18@rochester.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hello All,

I have for sale a TenTec Argosy 2 with filters, NB, and manuals. I am looking for 450.00 or best offer.

Thanks
Scott, K2ZS
QRP-L # 426

Former KF2ZW

Date: Mon, 07 Jun 1999 20:45:22 -0700
From: "KA5T Larry Wise" <lewise@inetport.com>

To: "qrp" <qrp-1@lehigh.edu>
Subject: [42222] Re: Final HamCom Preregistration List
Message-ID: <199906072044.PAA05672@admin.inetport.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Everyone needs a sorted (sordid??) list of the preregs, right?

Wonder how K1ZW got registered twice??? :-)

Wonder when Jim got a WA5GER call?? (corrected in these lists) :-)

Larry KA5T

Sorted by callsign: -----

62.	Scott	Weathersby	- AA5BK	
40.	Steve	Yates	- AA5TB	
108.	Michael	Hopkins	- AB5L	
20.	Clif	Sikes	- AB5UA	
54.	John	Sanders	- AB5ZR	
39.	Wes	Spence	- AC5K	
78.	Gody	Siason	- AC6UV	
47.	Phil	Salas	- AD5X	
59.	Dave	Fifield	- AD6Y	
50.	Dave	Little	- AF5U	
49.	Bob	Helms	- AF5Z	
6.	Graham	Firth	- G3MFJ	/W3MFJ
8.	George	Dobbs	- G3RJV	
7.	Tony	Fishpool	- G4WIF	/K4WIF
106.	Dwain	Lawhon	- K0LOA	
60.	Mike	Gipe	- K1MG	
35.	Larry	Brandon	- K1ZW	
31.	Larry	Brandon	- K1ZW	
87.	Marilyn	Stafford	- K4ZOL	
66.	Justin	McAllister	- K5AEA	
32.	Steve	Lowrey	- K5ATY	
13.	Chuck	Adams	- K5F0	
88.	Martin	Jue	- K5FLU	
18.	Glen	Reid	- K5FX	/M0BGF
74.	Jerome	Doerrie	- K5IS	
51.	Bill	Pierrard	- K5JHP	
10.	Stuart	Rohre	- K5KVH	
61.	Tim	Pettibone	- K5OI	
69.	Oscar	Hoyt	- K5UBS	
42.	Alex	Kaplinsky	- K5UNY	
33.	Keith	Newman	- K5YCM	

53.	Dave	Martin	- K5YFO
44.	Bill	Steitenroth	- K5ZTY
27.	Jim	Kortge	- K8IQY
103.	Chris	Spence	- KA5PXX
11.	Larry	Wise	- KA5T
37.	John	Langridge	- KB5NJD
81.	Roy	Throne	- KB5STV
34.	Jonathan	Setcer	- KC5BRY
63.	Ted	Kell	- KC5CUW
93.	James	Rue	- KC5HAC
89.	Richard	Stubbs	- KC5NSZ
95.	Ron	Sparks	- KC5ODM
97.	Anthony	Dick	- KC5PXW
94.	Jay	Proffitt	- KC5TXX
85.	Alison	Brandon	- KC5VJC
98.	Amanda	Dick	- KC5ZRA
65.	Ed	Geiger	- KD4AB
80.	David	Conant	- KD5CPT
45.	Paul	Smith	- KD5DBO
84.	Stew	Stewart	- KD5DL
77.	Todd	Foster	- KD5FUF
104.	Dale	LeDoux	- KD5QI
14.	Royce	Rainwater	- KE5TC
90.	Steve	Pan	- KF5C
56.	Veda	Henson	- KF6JHC
4.	Doug	Hendricks	- KI6DS
64.	Gary	Hanson	- KJ5VW
29.	Kelsey	Mikel	- KK5KU
2.	Joe	Spencer	- KK5NA
71.	John	Moore	- KK5NU
3.	Barbra	Spencer	- KK5QA
24.	Vernon	Hatley	- KK5RO
21.	Dick	Stemson	- KK5XO
28.	Jim	Duffy	- KK6MC
55.	Terry	Myers	- KQ5U
57.	Norm	Melick	- KQ6SD
36.	George	Lee	- KR5C
38.	Dan	Copeland	- N0DT
82.	Dave	Redfern	- N4ELM
25.	Burl	Keeton	- N5DUQ
9.	Ed	Manuel	- N5EM
73.	Bobette	Doerrie	- N5IS
48.	Richard	Kapalczynski	- N5JI
96.	Larry	Jones	- N5SG
107.	Jerry	Decker	- N5RV
41.	Ron	Hambric	- N5SBN
26.	Bob	Hynd	- N5URL
52.	Bart	Lawson	- N5WL

/M0BIV

15.	Paul	Harden	- NA5N
91.	Jerry	Wilson	- NN5B
99.	Chuck	Sanders	- N05W
68.	David	Kreinberg	- NR3E
43.	Tom	Stibal	- W0TJ
75.	Lee	Bahr	- W0VT
86.	Jim	Stafford	- W4Q0
67.	Brad	Bradfield	- W5CGH
102.	Tim	Ahrens	- W5FN
72.	Junius	Fox	- W5HIR
46.	Henry	Schneider	- W5HNS
12.	Jay	Bromley	- W5JAY
23.	John	Carter	- W5LGO
1.	Doc	Drake	- W5TB
30.	Vern	Wright	- W6MMA
79.	Karl	Kanalz	- W8TIF
17.	George	Pierce	- WA5ABS
70.	Charlie	Crouchet	- WA5KRF
100.	Darrell	Brooks	- WA5VGO
19.	Dub	Thornton	- WA5YFY
22.	Vic	Turner	- WA6EIW
5.	Jim	Cates	- WA6GER
16.	Jerry	Parker	- WA6OWR
83.	Dennis	Cobb	- WA8ZBT
101.	Huey	Holden	- WB5YLQ
58.	Robert	Lucas	- WD5IBX
105.	Ron	Phillips	- WJ5F
92.	David	White	- WN5Y
76.	Paul	Conant	- WQ5X

Sorted by last name: -----

13.	Chuck	Adams	- K5F0
102.	Tim	Ahrens	- W5FN
75.	Lee	Bahr	- W0VT
67.	Brad	Bradfield	- W5CGH
35.	Larry	Brandon	- K1ZW
31.	Larry	Brandon	- K1ZW
85.	Alison	Brandon	- KC5VJC
12.	Jay	Bromley	- W5JAY
100.	Darrell	Brooks	- WA5VGO
23.	John	Carter	- W5LGO
5.	Jim	Cates	- WA6GER
83.	Dennis	Cobb	- WA8ZBT
80.	David	Conant	- KD5CPT
76.	Paul	Conant	- WQ5X

38.	Dan	Copeland	-	N0DT	
70.	Charlie	Crouchet	-	WA5KRF	
107.	Jerry	Decker	-	N5RV	
97.	Anthony	Dick	-	KC5PXW	
98.	Amanda	Dick	-	KC5ZRA	
8.	George	Dobbs	-	G3RJV	
74.	Jerome	Doerrie	-	K5IS	
73.	Bobette	Doerrie	-	N5IS	
1.	Doc	Drake	-	W5TB	
28.	Jim	Duffy	-	KK6MC	
59.	Dave	Fifield	-	AD6Y	
6.	Graham	Firth	-	G3MFJ	/W3MFJ
7.	Tony	Fishpool	-	G4WIF	/K4WIF
77.	Todd	Foster	-	KD5FUF	
72.	Junius	Fox	-	W5HIR	
65.	Ed	Geiger	-	KD4AB	
60.	Mike	Gipe	-	K1MG	
41.	Ron	Hambric	-	N5SBN	
64.	Gary	Hanson	-	KJ5VW	
15.	Paul	Harden	-	NA5N	
24.	Vernon	Hatley	-	KK5RO	
49.	Bob	Helms	-	AF5Z	
4.	Doug	Hendricks	-	KI6DS	/M0BIV
56.	Veda	Henson	-	KF6JHC	
101.	Huey	Holden	-	WB5YLQ	
108.	Michael	Hopkins	-	AB5L	
69.	Oscar	Hoyt	-	K5UBS	
26.	Bob	Hynd	-	N5URL	
96.	Larry	Jones	-	N5OSG	
88.	Martin	Jue	-	K5FLU	
79.	Karl	Kanalz	-	W8TIF	
48.	Richard	Kapalczynski	-	N5JI	
42.	Alex	Kaplinsky	-	K5UNY	
25.	Burl	Keeton	-	N5DUQ	
63.	Ted	Kell	-	KC5CUW	
27.	Jim	Kortge	-	K8IQY	
68.	David	Kreinberg	-	NR3E	
37.	John	Langridge	-	KB5NJD	
106.	Dwain	Lawhon	-	K0LOA	
52.	Bart	Lawson	-	N5WL	
104.	Dale	LeDoux	-	KD5QI	
36.	George	Lee	-	KR5C	
50.	Dave	Little	-	AF5U	
32.	Steve	Lowrey	-	K5ATY	
58.	Robert	Lucas	-	WD5IBX	
9.	Ed	Manuel	-	N5EM	
53.	Dave	Martin	-	K5YFO	
66.	Justin	McAllister	-	K5AEA	

57.	Norm	Melick	- KQ6SD	
29.	Kelsey	Mikel	- KK5KU	
71.	John	Moore	- KK5NU	
55.	Terry	Myers	- KQ5U	
33.	Keith	Newman	- K5YCM	
90.	Steve	Pan	- KF5C	
16.	Jerry	Parker	- WA6OWR	
61.	Tim	Pettibone	- K50I	
105.	Ron	Phillips	- WJ5F	
17.	George	Pierce	- WA5ABS	
51.	Bill	Pierrard	- K5JHP	
94.	Jay	Proffitt	- KC5TXX	
14.	Royce	Rainwater	- KE5TC	
82.	Dave	Redfern	- N4ELM	
18.	Glen	Reid	- K5FX	/M0BGF
10.	Stuart	Rohre	- K5KVH	
93.	James	Rue	- KC5HAC	
47.	Phil	Salas	- AD5X	
54.	John	Sanders	- AB5ZR	
99.	Chuck	Sanders	- N05W	
46.	Henry	Schneider	- W5HNS	
34.	Jonathan	Setcer	- KC5BRY	
78.	Gody	Siason	- AC6UV	
20.	Clif	Sikes	- AB5UA	
45.	Paul	Smith	- KD5DB0	
95.	Ron	Sparks	- KC50DM	
39.	Wes	Spence	- AC5K	
103.	Chris	Spence	- KA5PXX	
2.	Joe	Spencer	- KK5NA	
3.	Barbra	Spencer	- KK5QA	
87.	Marilyn	Stafford	- K4Z0L	
86.	Jim	Stafford	- W4Q0	
44.	Bill	Steitenroth	- K5ZTY	
21.	Dick	Stemson	- KK5X0	
84.	Stew	Stewart	- KD5DL	
43.	Tom	Stibal	- W0TJ	
89.	Richard	Stubbs	- KC5NSZ	
19.	Dub	Thornton	- WA5YFY	
81.	Roy	Throne	- KB5STV	
22.	Vic	Turner	- WA6EIW	
62.	Scott	Weathersby	- AA5BK	
92.	David	White	- WN5Y	
91.	Jerry	Wilson	- NN5B	
11.	Larry	Wise	- KA5T	
30.	Vern	Wright	- W6MMA	
40.	Steve	Yates	- AA5TB	

Date: Mon, 7 Jun 1999 15:53:27 -0500
From: "Bob Reynolds" <breynold@SIGG.COM>
To: <hosinsky@jet.es>, <qrp-1@lehigh.edu>
Subject: [42223] Re: regen receiver -Reply
Message-ID: <99Jun7.155827cdt.155020@firewall.sigg.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: quoted-printable
Content-Disposition: inline
Content-Transfer-Encoding: quoted-printable

>>>I understand that regen receivers also >>>radiates in the antenna, =
perhaps
>>>you could key it and use it as a >>>tranceiver?
=20
It works! Back in 1958, before I got my ticket, I used to practice =
answering CQ's by keying the antenna lead on my OCEAN HOPPER. I got one =
KN5--! Then I got scared the FCC was going to put me in prison!

73, Red K5VOL
Hope the FCC doesn't read this

Goran ea8yu

lane cox wrote:

> Encouraged by the group, I have decided to build the desert ratt
> regenerative receiver. I am connecting the parts directly together so =

the
> finished product looks like a 3D piece of modern art. So far I have =
built
> the RF stage and it seems to work ok. I will keep you posted on my
> progress. Lane Cox N6NLB
>
>
> -----
> Get Free Email and Do More On The Web. Visit <http://www.msn.com>

Date: Mon, 07 Jun 1999 13:56:26 -0700
From: Allan G Taylor <k7gt@qsl.net>
To: qrp-l@lehigh.edu
Subject: [42224] Free: Kenwood SMC-25 speaker-mike
Message-ID: <375C31FA.3408@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I have a Kenwood SMC-25 speaker mike to give away to a party that can use it. It DOES NOT fit a TH78A HT. You pay postage and it is yours!

I am looking for a speaker mike that WILL fit a TH78A. Kenwood SMC-32, SMC-33, or SMC-34 apparently work.

73

Allan K7GT k7gt@qsl.net

Date: Mon, 07 Jun 1999 20:58:05 +0000
From: wd8civ@att.net
To: qrp-l@lehigh.edu (QRP-L Mailing List)
Subject: [42225] Radio store in Toronto?
Message-ID: <19990607205839.KFXK15544@webmail.worldnet.att.net>

Can anyone in the group suggest a Ham Radio shop in Toronto? It appears I'll be attending a week of meetings there June 21-25, and I'd like to browse around a little bit. (I'm especially interested in technical books.)

--

Dave Hinerman WD8CIV

Date: Mon, 7 Jun 1999 14:07:30 -0700
From: "Kory Hamzeh" <kory@avatar.com>
To: <qrp-1@lehigh.edu>
Subject: [42226] Antenna question
Message-ID: <002a01beb129\$c12426e0\$14ce21c7@tomcat.avatar.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Fellow QRP'ers,

I'm trying to put together an antenna to use when I got camping. First I must say that I am mostly in a wheelchair, so I need to put together something that I can do from a wheelchair. Secondly, alot of camp sites do not have tall trees, so I think I'm limitted to verticals.

I've come up with two ideas, and I wanted to know people opinion.

1. Use a fishing pole as a 20 ft whip and radials cut around 20 ft also. I would tune this puppy with a tuner.
2. Use a screwdriver antenna like the high sierra and an alpha delta outpost base.

Method #1 has a larger radiating element and will require a tuner. Method #2 is a smaller element and has a (somewhat) center loaded coil and does not need a tuner.

Which method will be more efficient? I'm open to other ideas as long as the setup is fairly straight forward.

Thanks & 73's,
Kory
AC6RN

Date: Mon, 7 Jun 1999 16:07:01 -0500

From: George F Franklin <w0av@juno.com>
To: hosinsky@jet.es
Cc: qrp-1@Lehigh.EDU
Subject: [42227] Ref: Regen RX as TX
Message-ID: <19990607.160702.-145847.0.w0av@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hello Goran

Been there; done that!

Back in the thirties I worked stations around the city (St. Louis, MO) by keying my regenerative receiver on 160 meters.

We called it "DX with no TX."

72 de George/W0AV

Date: Mon, 7 Jun 1999 15:56:16 -0500
From: "Chuck Adams K5FO" <adams@ticnet.com>
To: qrp-1@lehigh.edu
Subject: [42228] Pics of Kent Paddles
Message-ID: <E10r5Mn-0002e7-00@pop3.ticnet.com>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

Gang,

I have added a page to the web site in which I am starting a new series of pics on keys and paddles.

There are a couple of pics of the early version and the latest versions of the Kent Iambic Paddles. I am about to restore both as they are starting to tarnish and I want to try some new stuff on them. Stay tuned.

The question is to those that have kept up with

the evolution of the Kent paddles. When did they change from the bent levers to the straight on them? If the pics are too dark, let me know and I'll brighten up the flash.

Also picture of Bunnell straight key and Shurr mobile key (my favorite finish of all except brass keys and paddles except for gold plated). :-)

dit dit

Chuck Adams K5FO adams@ticnet.com <http://www.qsl.net/k5fo/>

Date: Mon, 7 Jun 1999 15:52:24 -0500
From: "Chuck Adams K5FO" <adams@ticnet.com>
To: qrp-l@lehigh.edu
Subject: [42229] Elmer205 Part1 [long]
Message-ID: <E10r5J3-0001yk-00@pop3.ticnet.com>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

Gang,

Thanks to a posting by David Shalita, W6MIK, on a location for SPICE for the PC, we now have a better program (IMHO) to work with. I am assuming that most of the QRP-L crowd are using PC based systems. Note that this June version is a later version, so if you have gotten a copy of WinSpice3 prior to the May timeframe, then you will want to go back and get this newer version. The old address for a ftp site is no longer valid it seems.... Such is the life of the Internet.

Go to

<http://www.willingham2.freeware.co.uk/winspice.html>

and check out WinSpice3 for the PC computers.

Follow the instructions to install. I am currently running it under Windows98 and it does just fine. It is SPICE3f4, or so the docs say,

and it will do nicely for what we want to do. This is not a crippled version of SPICE, but a fully functional version that would allow you to do all the simulation for the NC20 or just about any other rig if you have all the models and skills you need. We will add to the component models and I'll later give you URLs to all the models that I know of online on the web.....

So in order to put us all on level ground, please refrain from asking me questions about other versions of SPICE. I have some of the others, but I don't want to move back and forth between UNIX and Windows9X trying things out and the different versions of PSPICE. Read the docs with your particular system or just get the above version.

For those of you running LINUX, you should have a version of SPICE on it and the X-interface is a lot nicer IMHO. See if you can point and click on a curve and have the values at that point print out in the startup window where SPICE is running. Let me know.

So here goes the first of N parts where N is large. This assumes that you are new to SPICE, so be patient all you experts or those that have tube-time on the program.

-----cut here-----

SPICE is a computer simulation program developed with public funding to allow circuit designers to simulate circuits and modify parameters and devices before actually building the circuit(s). This is important especially for very large circuits like designers were starting to development with the larger microprocessors in the mid-1970s. The first few series of micros could be prototyped and tested with discrete logic but that quickly got out of hand due to critical paths and timing and the expense of building, modifying, and testing and retesting circuits. With the high speed computer systems and software the difficult task was helped along with simulation techniques.

SPICE is an acronym for Simulation Program with Integrated Circuit Emphasis. It was originally written in FORTRAN at UC Berkeley in the early 1970s and the version level got up to SPICE2G.6 and then conversion and rewrites were done to C and the current public domain versions are SPICE3F4 and SPICE3F5. The WinSpice95 version from the above ftp site is advertised as the 3F5 version.

Now I'm not going into every little detail (it would take a book, so if you are going to get serious about simulation on the computer, then go to the library or start buying books on the topic) of SPICE but spend a lot of time and energy on examples and results for hams.

If you don't know how much you are going to do now, then start with

<http://howard.engr.siu.edu/elec/faculty/etienne/spice.overview.html>

and

<http://www.rpi.edu/~toths/spice.over.html>

which are both similar except that the latter has some broken links to figures, so do the first if at all possible.

When spice3 is installed on a PC it will reside in the directory WinSpice3. Go to that directory with a shell window and create a file

e200-1.cir

and in that file put the following lines or cut and paste from this email if you are an expert at doing so.

AC ANALYSIS OF FIVE ELEMENT CHEBYSHEV FILTER

```
*
* FIVE ELEMENT CHEBY FILTER
* #91 in ARRL Handbook Chapter 30 page 25, 30.25 with new
* numbering system in 1995 and later handbook
*
* Results in Handbook
* Fco  3dB  20dB  40dB  MaxSWR
* 7.33 8.89 12.3  18.3  1.175
*
VS  9 0 AC 1
RS  9 1 50
C1  1 0 390PF
L1  1 2 1.48UH
C2  2 0 750PF
L2  2 3 1.48UH
C3  3 0 390PF
RL  3 0 50
.PRINT AC VDB(1) VDB(3)
.AC LIN 71 7MEG 21MEG
.END
```

Some programs want everything in caps due to the nature of FORTRAN and its input scheme, so if you get errors or warnings react appropriately.

OK, I'm now assuming that you have SPICE on your machine and can get it to run without problems. Under Windows98 I browse over to the directory where WinSpice95 resides under c:\WinSpice3 and is called wspice3 and is represented by an icon. In order to get wspice3 to execute using a data file, just drag the icon for the file onto the spice3 icon and the program will be brought up with a window running SPICE3F5. The window will have something like:

```
Program: WinSpice, version 0.03 (based on Berkeley Spice 3f5)
Date built: Jul 16 1998 00:53:31
```

```
Type "help" for more information, "quit" to leave.
```

```
Circuit: AC ANALYSIS OF FIVE ELEMENT CHEBYSHEV FILTER
WinSpice 1 ->
```

The last line with the number 1 -> is a prompt line meaning the program is waiting for some command(s).

OK, do the following two commands in order to each prompt that you get

```
run
```

```
plot vdb(3)
```

and you will get another window with a plot of the output from the filter as a function of the frequency. Maximize this window to see autoscaling of the graph. Pretty neat stuff, huh? Note that at 14MHz the output is down -33dB (this assumes a 1V signal at 14MHz into the front end and if you did that for a 7MHz xmitter then you are in trouble to begin with my friend) and the output is down about -53dB at 21MHz. OK, close that window (the plot) and now enter

```
plot vdb(1) vdb(3)
```

this will give you a plot of the ac voltage at nodes 1 and 3 on the same graph, one in red and the other in blue.

Close the graphical window and now type in

```
edit
```

at the SPICE prompt. This will open another window with the source file. You can now edit it and save it. Change the source impedance, RS, to 40 ohms and save the file using the file pulldown menu. Spice will prompt you if you wanna run the program again and you answer yes. Again plot the results and see what happens. This will show you what happens if the PA does not have an impedance of 50 ohms for which the filter is designed. Try several values and get used to changing the values and rerunning with the new data. We'll come back later and do some stuff with L and C components. When you do a quit, the program will ask you if you want to save the new values to the old file. No if you don't, yes if you do.

LAB EXERCISE(S). Take some of the other filters in the handbook and try them. Change the line

```
.AC LIN 71 7MEG 21MEG
```

to sweep the frequencies of the filter to lower and higher values and change the number of data points which is now 71. I used this number to do my own plots for an article in the QRP ARCI Quarterly this last year. You may want to create new files and save all the different filters for later reference.

Go through some schematics of xcvrs that you have and create new files with the component values that you find and plot them to see how they do. See NN1G's work on the SW-40+ and SW-30+ and compare with similar filters from others. How about the SST series and the 38-Special?

OK, this outta keep you entertained for a few hours if you get hooked on the process.

Stay tuned (no pun intended) for later developments.

ADVANCED EXERCISE: Remember hearing people talk about impedance matching? Do the following. We have a series circuit consisting of a voltage V, RS, and RL corresponding to a voltage source with internal impedance R(S) and a load R(L). Solve for the current value. Solve for the power being dissipated in the load resistance. Do this using the formulas with variables for the values.

Do dP/dR_L and prove that the maximum occurs when $R(L) = R(S)$. dP/dR_L is the first derivative of the power with respect to R_L . You can do this. This is the reason for tuners etc. For more fun do this with complex impedances, i.e. where you have a $X(L)$

or X(C) component. :-)

Review Chapter 5 and look at Thevenin's Theorem and Kirchhoff's Laws and we'll be using them in this series and already have in the above example.

Here is a list of references that I have for SPICE. A lot of these may be difficult to find as a lot of technical books do not remain on the stores shelves for any length of time, but do try second hand book stores and your local libraries.

Banzhaf, Walter., "Computer-Aided Circuit Analysis using SPICE". New Jersey, Prentice Hall. 1989. pp 307 in paperback. Emphasis on SPICE on mainframe computers with ASCII graphics. This of interest to those with old version of SPICE in FORTRAN.

Chattergy, Rahul, "Spicey Circuits - Elements of Computer-Aided Circuit Analysis". Florida, CRC Press. 1992. pp 241 in hardcover. Jury is still out on this book. I need time to work through it. I know the author and the series editor. Small world.

Connelly, J. Alvin, and Pyung Choi, "Macromodeling with SPICE". New Jersey, Prentice Hall. 1992. pp 273 in hardcover. Has floppy with models but 5.25" floppy was unreadable as most likely damaged by magnetic fields with checkout system in the store.

Fenical, L.H., "PSpice - A Tutorial". New Jersey, Prentice Hall. 1992. pp 344 in paperback. A good book for the beginner with plenty of examples with schematics, SPICE output, and graphical output from PSpice.

Foty, Daniel, "MOSFET Modeling with SPICE". New Jersey, Prentice Hall. 1997. pp 653 in hardcover. With a MSRP of \$104, this is by far the most expensive of the lot. Same class as the Massobrio book below in that hams are not the audience for this book.

Keown, John, "MicroSim PSpice and Circuit Analysis". New Jersey, Prentice Hall. 1998 in paperback. With CD evaluation copy of PSpice and Schematic.

Kielkowski, Ron, "Inside SPICE". New York, McGraw-Hill, Inc. 1998 hardcover. With CD with software that is freely distributable and is most likely the same as the one at <ftp.lehigh.edu>. See notes below on web sources for SPICE and PSpice.

Lamey, Robert, "The Illustrated Guide to PSpice". New York, Delmar Publishers Inc. pp 219 in paperback. With floppy with all examples.

Massobrio, Giuseppe and Paolo Antognetti, "Semiconductor Device Modeling with SPICE". New York, McGraw-Hill, Inc. 1993. pp 479 in hardcover. Written for people in semiconductor manufacturing and their modeling needs.

Monssen, Franz, "MicroSim PSpice with Circuit Analysis". New Jersey, Prentice Hall. pp 548 in paperback. Excellent examples and graphics.

Rashid, Muhammad H., "SPICE for Circuits and Electronics using PSpice". New Jersey, Prentice Hall. 1995. pp 364 in paperback.

Roberts, Gordon W. and Adel S. Sedra, "SPICE Second Edition". New York, Oxford University Press. pp 447 in paperback. I like this book because of the ASCII output from SPICE and graphics and samples with PSpice also.

Tuinenga, Paul W., "SPICE: A Guide to Circuit Simulation And Analysis Using PSpice". New Jersey, Prentice Hall. 1995. pp 288 in paperback. Another good beginner book although weighted heavy to PSpice since author is shown as an employee of MicroSim Corporation which was bought by another company just recently.

-----web sources for starters-----

<http://www.sps-mot.com/home/models/> Motorola Device Models

<http://ftp.llp.fu-berline.de/lsoft/Z/1/SPICE.html> links to source code for various systems. Note that some of the links are broken.

<http://www.cad.eecs.berkeley.edu/Software/software.html> broken link

<http://www.mpce.mq.edu.au/~tonyp/research/spice.html> good links to source code for version Spice3f4, Macintosh version of SPICE, and links to patches for the software.

<http://www.ee.washington.edu/eeca/models/> links to sources of device and discrete transistor models

<http://cbis.ece.drexel.edu/ECE/ECE-E352/vendorsp.html> 20 links to vendor sites with spice models. I didn't follow all the links, but

am assuming that they are pretty up to date.

<http://www-personal.umd.umich.edu/~rlab/software.html> links to freeware versions of PSpice for Windows, Macintosh, LINUX, and Commodore Amiga systems.

<http://www.ee.washington.edu/eeca/software/> more links to additional software for filter (analog and digital) and EEDesigner software just to name a few

Chuck Adams K5FO adams@ticnet.com <http://www.qsl.net/k5fo/>

Date: Mon, 7 Jun 1999 17:22:39 -0400
From: "Richard Brummer" <obvious@bestweb.net>
To: <lewise@inetport.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [42230] Re: Final HamCom Preregistration List
Message-ID: <007001beb12b\$e55f7120\$b505b3d8@default>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Always has to be one "Wise" guy in the crowd.

Larry, maybe you could sort it by call district. If I could have made it, I guess I'd be the only "2" in the crowd.

Have a GREAT weekend.

73,

Dick K2REB

Date: Mon, 07 Jun 1999 14:30:41 -0700
From: Allan G Taylor <k7gt@qsl.net>
To: qrp-1@lehigh.edu
Subject: [42231] Kenwood SMC-25 has a new home
Message-ID: <375C3A01.2AFD@qsl.net>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

The Kenwood SMC-25 speaker mike has a new home.

73

K7GT

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	/	
	/	
Allan Taylor K7GT	/Z \	FISTS 3222 ARS 228
k7gt@qsl.net	/ /599 \	DXCC and WAS 40/cw
Pleasanton CA	/_ /____ __\	http://www.qsl.net/k7gt
...QRO, QRP, or barefoot.....	[\-----/	

~~~~~

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Date: Tue, 08 Jun 1999 05:37:36 +500  
From: Terry Bendell <terryb@bmts.com>  
To: <qrp-1@Lehigh.EDU>  
Subject: [42232] Re: QRP For Swap  
Message-ID: <199906072140.RAA08486@Alice.BMTS.Com>  
MIME-Version: 1.0

Greetings all, I am getting a little bored doing QRPP on my yaesu ft-7. The rig outputs about 200 milliwatts on 80 to 20 meters and about 120 milliwatts on 15/10.

I would love to trade this for a built or unbuilt QRP rig, really looking at 30 meters but 40 would be ok too. I am strictly a CW operator so I have no microphone for the ssb operation of the ft-7. It covers 80 thru 10 meters (No 10 meter crystal installed) and does ssb/cw. Works great on qrp. Nuts aint I? But I love to build and lack funds right now to do so. Make me an offer/swap, swaps are preferred!

hope to hear from you

73

Terry Bendell

VE3TKB

QRPP - only the weakest survive!

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Date: Mon, 07 Jun 1999 14:48:52 -0700  
From: Mighty Mik <mitymik@hooked.net>  
To: "qrp-l@Lehigh.EDU" <qrp-l@Lehigh.EDU>  
Subject: [42233] custom NC20 cases...new batch?  
Message-ID: <375C3E48.E1523BB1@hooked.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii; x-mac-type="54455854"; x-mac-creator="4D4F5353"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Someone emailed me and said they just got a new NC20 custom case...anyone else? I've been waiting months, and if i have to fix mine, i'd like to do a case swap at the same time...

--

#####  
72/73 de Mick, WD8MNV/6      QRP-L #1673      QRP-C #118      ZOMBIE #441  
NC20 SWL40+ ZM-2 DSP-3 rocket scientist and a 6 meter wanna be.  
Aeropac #111      Tripoli #3071      Level 2

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End of QRP-L Digest 1481

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